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DE 07-055

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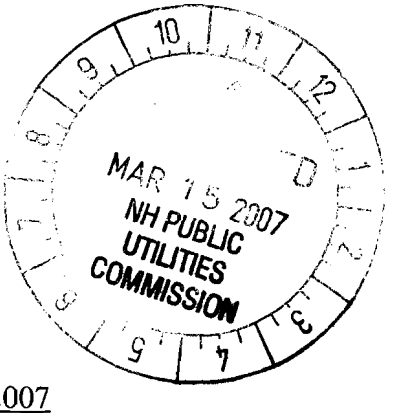
March 15, 2007



VIA ELECTRONIC FILING AND FIRST CLASS MAIL

Ms. Debra Howland
Executive Director and Secretary
New Hampshire Public Utilities Commission
21 S. Fruit Street, Suite 10
Concord, NH 03301

Re: Northern Utilities, Inc., Proposed Cost of Gas Filing
for the Summer Period of May 2007 through October 2007

Dear Ms. Howland:

Enclosed please find an original and eight (8) copies of the direct testimony of Ronald D. Gibbons and Joseph A. Ferro pertaining to the Company's 2007 Summer Period Cost of Gas Filing.

Please take note that an electronic version of the filed information in Excel was emailed to Staff.

If you have any questions or need additional information, please do not hesitate to telephone me. Please return one copy of this letter bearing the Commission's receipt stamp in the return envelope, which has been provided for your convenience.

Very truly yours,

Patricia M. French

Patricia M. French

by RDG

Enclosures

cc: Kenneth Traum, Office of Public Advocate
Joseph A. Ferro
Ronald D. Gibbons

NORTHERN UTILITIES, INC.
NEW HAMPSHIRE DIVISION
SUMMER PERIOD 2007
COST OF GAS ADJUSTMENT FILING
PREFILED TESTIMONY OF
RONALD D. GIBBONS

Q. Please state your name and business address.

A. Ronald D. Gibbons, 200 Civic Center Drive, Columbus, Ohio 43215.

Q. By whom are you employed?

A. I am employed by NiSource Corporate Services Company ("NCSC"), a management and services subsidiary of NiSource Inc. ("NiSource") and affiliate of Northern Utilities, Inc. ("Northern").

Q. What positions have you held during your employment with NiSource and its predecessors?

A. Since my employment in January 1981 by the Columbia Gas System Service Corporation, the predecessor of NCSC, I have held positions of increasing responsibility in the accounting department (1981-1984), as an auditor (1984-1989), and in the regulatory accounting department (1989-present). I was promoted to my present position, Manager of Regulatory Accounting, in May 2006.

Q. What are your present duties and responsibilities as Manager of Regulatory Accounting?

A. Since the merger of Columbia Energy Group and NiSource in November 2000, I have been responsible for coordinating and preparing data and reports required to support the recovery of gas costs as well as assisting in the preparation of rate case data and exhibits for Northern.

In my current position as Manager, my responsibilities have increased to include all regulatory accounting activities for Northern, Bay State Gas Company ("Bay State") and Columbia Gas of Maryland. In the past, my work has included gas cost recovery activities and filings for Northern's affiliates Columbia Gas of Kentucky, Columbia Gas of Maryland, Columbia Gas of Pennsylvania and Columbia Gas of Virginia. I also assist the Director of Regulatory Services on various types of regulatory activities.

Q. What is your educational background?

A. I graduated from The Ohio State University in 1980 with a Bachelor of Science degree in Administrative Science. My major was accounting. I have also attended several ratemaking seminars sponsored by universities and trade associations.

Q. Have you previously testified before any regulatory bodies?

A. Yes. I have testified before the Public Service Commission of Kentucky, the Public Service Commission of Maryland, the Maine Public Utilities Commission ("MPUC" or "the Commission") and the New Hampshire Public Utilities Commission ("NHPUC").

Q. Please explain the purpose of your prepared direct testimony in this proceeding.

A. The purpose of my testimony is to explain the calculation of the Cost of Gas ("COG") to be billed by Northern from May 1, 2007 to October 31, 2007. I will explain the derivations of the rates used in the forecast by the Company's gas suppliers and upstream transporters. I will also explain the forecast of sales and resulting sendout requirements for the Summer 2007 Period. In addition, I have incorporated the prior period over-collection filing in my testimony.

COST OF GAS ADJUSTMENT

Q. Would you please explain tariff page Proposed Thirty-first Revised Page 38 and Thirty-first Revised Page 39?

A. Proposed Thirty-first Revised Page 38 and Thirty-first Page 39 contain the calculation of the 2007 Summer Cost of Gas rate and summarize the Company's forecast of gas SENDOUT® and gas costs. The estimated total anticipated cost of gas from May 1, 2007 to October 31, 2007 is $10,356,062.

The Gas Cost section presents the forecast commodity and capacity volumes and costs allocated to the New Hampshire Division.

To derive the Total Anticipated Period Cost of Gas of $9,778,934, the following charges, including the indirect gas costs, have been added to the $10,356,062 Total Anticipated Direct Cost of Gas:

1.) Prior Period Over Collection- ($633,021).
2.) Interest Expense- ($25,124).
3.) Total Working Capital Allowance- $15,449.
4.) Total Bad Debt Allowance- $36,731.
5.) Miscellaneous Overhead- $28,837.

The Total Anticipated Cost of Gas Adjustment of $0.8866 per therm was determined using the forecasted firm sales volumes of 11,029,620 therms as well as the direct and indirect anticipated cost of gas as shown on tariff sheet, Page 39.

Q. How are you calculating the overall Demand and Commodity COG factors?

A. Proposed Thirty-first Revised Page 38 and Thirty-first Revised Page 39 details the commodity and demand costs as well as the calculation of the 2007 Summer Period Cost of Gas rate by rate category—residential, low winter and high winter. The costs were assigned to the Summer Period for each of the Company's firm sales customer classes. The assignment of costs between the Winter and Summer Periods and among the customer classes was developed using the Simplified Market Based Allocation Method ("SMBA"). Northern is proposing to implement the SMBA method in place of the "seasonal average rate and ratio" method. The Summer Period Demand and Commodity costs as well as the indirect costs for each customer category were then divided by the forecasted sales volumes for each customer category to arrive at class/category specific Summer Period. The change to using the SMBA method is discussed in more depth in separate testimony filed in this proceeding by Joseph A. Ferro.

Q. Please explain the basis for allocating the fixed, capacity-related demand cost between the Maine Division and New Hampshire Division of Northern.

A. These costs are allocated between the divisions based on the Modified Proportional Responsibility ("MPR") methodology, which allocates the fixed capacity-related gas costs based on the demand each division places on the available capacity each month. The MPR methodology was approved by the Commission on December 23, 2005, effective January 1, 2006, pursuant to the New Hampshire Commission-approved Settlement in DG 05-080 and the Maine Commission-approved Settlement in Docket Nos. 2005-87 and 2005-273. Accordingly, the MPR method was used to establish the proportional cost responsibility of Northern's Maine Division and Northern's New Hampshire Division. The workpapers supporting the MPR factors also reflect the settlement reached in DG 05-080 as well as in the Maine Division dockets, Docket Nos. 2005-077 and 2005-473, and are provided in the

Allocation

Q. Are these allocations the same as those determined in the Winter Period 2006-2007 filing?

A. No. While analyzing how the new SMBA method compares with the Market based Allocation (MBA) method for Northern's Maine Division Off-peak Cost of Gas filing, a small error was found in the MPR calculation. Due to a cell reference error, the Maine Division and New Hampshire Division percentages were reversed (50.46% vs. 49.54%) in the Winter Period 2006-2007 calculation. The workpapers in this filing reflect the correct percentages. The correct percentages are also being used to record the actual demand costs between the two divisions for the 2006-2007 Winter Period, beginning for the month of November 2006.

Q. What is the basis for allocating the variable gas costs between Northern's Maine and New Hampshire Divisions?

A. The variable gas costs have been allocated between Northern's Maine Division and New Hampshire Division on the basis of each division's percentage of monthly firm SENDOUT®. The monthly variable allocation factors are shown in the Allocation section.

Q. How do costs, allocated between the Maine and New Hampshire Divisions and between the Winter and Summer Periods, compare using the proposed SMBA method and the previous methodology?

A. Using the same pricing and dispatch data for the annual period of May 2007 through April 2008 that has been used for the proposed Cost of Gas submitted in this filing, I have compared the commodity and demand costs allocated between the Maine and New Hampshire Divisions and between the Summer and Winter periods in a schedule included in the "SMBA vs. MBA" section of the filing.

With respect to commodity costs, under both methods this schedule shows that the New Hampshire Division is being allocated 53.9% of total Northern costs. This schedule also shows that there is a very slight shift of costs from the Summer to Winter Period as Northern Summer Period costs are higher by $29,240, or 0.19%; New Hampshire Division Summer costs are higher by $17,126, or the same 0.19%. While these cost allocations are based on modeling forecast data (to set COG rates), commodity costs are ultimately allocated based on actual commodity costs and allocated between the Maine and New Hampshire Divisions based on actual firm sendout allocation percentages.

Q. What does your comparative analysis show with respect to demand costs?

A. With respect to demand costs the two divisions are being allocated the same percentage of demand costs, on an annual basis, that was allocated in the Winter 2006-2007 COG process. The New Hampshire Division is allocated less demand costs in the Summer Period and more costs in the Winter Period. This seasonal shift in demand costs is a function of the SMBA allocating capacity costs on a design day basis, while the "seasonal average rate and ratio" method allocates capacity on the basis of using weighted design year monthly allocations, as explained in Mr. Ferro's testimony. The allocation of demand costs, both in the model and for recording actual costs, are based on the Modified PR Allocator set once a year on November 1. The actual demand costs will be seasonally allocated based on the results of the SMBA model, by using the percentage of annual demand costs allocated to each season for each resource category.

PRIOR PERIOD OVERCOLLECTION

Q. Please explain the prior Summer Period over collection of $633,021 shown on Thirty-first Revised Page 39.

A. The reconciliation analysis that was filed with the Commission on January 29, 2007, and included in the Reconciliation section of this filing, provides the support for $611,704 of the over-collection.

FORECASTED PURCHASE GAS PRICES

Q. Please explain the basis for projecting costs for the purchases of Canadian gas supplies.

A. Northern has firm entitlements of up to approximately 2,400 Dth/day of year-round Canadian supplies directly from Northeast Gas Marketing (NEGM). The forecasted price of NEGM was based on the February 28, 2007 NYMEX prices plus a differential. Domestic supplies are forecasted based on NYMEX prices from February 28, 2007, plus the cost to transport the gas to the city gate.

Q. Please explain the basis for the projected costs of the Company's domestic gas supply purchases.

A. The Company will purchase all of its domestic supply on a short-term (monthly, daily) basis for the Summer Period. The commodity forecast for domestic supplies rely on monthly gas indices for which the NYMEX Natural Gas Futures prices of February 28, 2007 were used. The transportation costs are forecasted based on the route the sendout model chooses that the gas will travel. The sendout model provides the forecasted MMBtus transported on each of the upstream pipelines. The sendout on each pipeline is then multiplied by the

appropriate upstream unit commodity costs and added to the monthly gas indices.

Q. Please explain how the Company's hedging activity for gas purchases for May and October 2007 have been reflected in the 2007 Summer period commodity costs.

A. The Company has executed hedges for 40% of its natural gas requirements for the months of May and October 2007 at various prices throughout the past twelve months. The aggregate current position (gains or losses) of all executed hedging transactions for May and October is reflected in Proposed Thirty-first Revised Page 38. The hedging transaction "Profit and Loss Statement" showing a projected aggregate loss of $126,764 for all hedge positions for May and October 2007 based on the respective months February 28, 2006 NYMEX Natural Gas Futures prices is provided in the Hedging section.

Q. Has the Company established new price triggers for its hedging program, which was approved in Commission Order No. 24,037 in Docket No. DG 02-137?

A. Yes. Pursuant to Order No. 24,037 dated August 16, 2002 in Docket No. DG 02-137, Northern has been directed to provide the Commission, in its semi-annual COG proceedings, its recommendation for new price targets for the price-triggered component of the hedging program, or alternatively, why the current targets are appropriate. The Company typically re-establishes its price targets every six months, prior to each COG season. These price triggers are based on trigger points set at the 65^{th}, 35^{th} and 20^{th} percentiles of a matrix of NYMEX traded futures contracts analyzed by Risk Management Inc. (RMI), an independent consultant retained by the Company. The RMI price matrix is adjusted for inflation and weighted, with 20% of the price being attributed to the most recent year (short-term) and 80% being attributed to the last four years (long-term). This scaled distribution gives the matrix a slight bias toward recent prices, allowing for greater market sensitivity to the current environment. This market sensitivity is needed because these weighted prices are broken into deciles for the purposes of developing meaningful buy or

trigger points. The Hedging section of the filing presents the RMI Matrix that sets forth the updated price triggers per MMBtu of $7.655, $6.735 and $6.24 for the 65th, 35th and 20th percentile, respectively.

FORECASTED TRANSPORTATION COSTS

Q. Please explain the basis for the Company's forecasted pipeline reservation and commodity charges for transportation services included in this COG filing.

A. Northern currently has entitlement to firm transportation capacity on eleven (11) interstate pipeline companies: Tennessee Gas Pipeline Company ("Tennessee"), Iroquois Gas Transmission System ("Iroquois"), Algonquin Gas Transmission Company ("Algonquin"), Texas Eastern Transmission Corporation ("Texas Eastern"), Transcontinental Gas Pipe Line Company ("TGP"), Dominion Transmission Corporation ("Dominion"), Granite State Gas Transmission, Inc. ("Granite"), TransCanada Pipeline ("TransCanada"), Union Gas ("Union"), Vector Pipeline ("Vector") and Portland Natural Gas Transmission System ("PNGTS"). The Supplier Prices Section reflects the maximum daily transportation quantity (MDTQ) of firm capacity that Northern has with each of the above pipelines. As an interstate pipeline, each company is regulated by the Federal Energy Regulatory Commission (FERC) and is required to file tariffs reflecting its rates for transportation services. For purposes of forecasting pipeline reservation and commodity charges, the rates reflected on each pipeline's currently effective tariff sheets have been applied to the applicable contracted MDTQ and to the forecasted transportation quantities, with the exception of Granite reservation charges. Granite reservation charges are in accordance with a negotiated contract between Granite and Northern, for the five-year term of

November 1, 2003 through October 31, 2008, for an MDTQ of 100,000 Dth at the discounted monthly rate of $1.2639 per Dth. This contract was approved by the Commission in Docket No. 2003-762.

The Supplier Prices Section contains the currently effective pipelines' tariff sheets and summaries of the pipeline reservation and product demand charges allocated to the New Hampshire Division

OTHER SUPPLY COSTS

Q. Please explain how you estimated the rate for the LNG boil-off during the Summer Period.

A. The LNG of $8.6305 per MMBtu, is the average cost of LNG boil-off to be withdrawn from inventory between May 1, 2007 and October 31, 2007.

Q. Will the Company propose to revise the COG if it receives any new or updated information on supplier or transportation rates?

A. Yes. If the Company receives more accurate or updated information on Northern's forecasted supplier/transportation rates, it will assess whether a revised COG proposal is warranted. If the different rate information materially changes the proposed COG and if time permits before the hearing date, it will then notify all parties to this proceeding and make a revised filing. Such updated rate information will include the latest NYMEX natural gas prices, which the Company will review within reasonable lead-time prior to the hearing.

SALES AND SENDOUT FORECAST

Q. Please compare forecasted sales for the COG period with normalized sales for the same

period last year.

A. Sales for the COG period are projected to increase by 0.5% for the residential class and 1.5% for C&I. The increases are driven mainly by customer growth, with the residential growth rate reduced by projected conservation.

Q. How does the Company forecast firm sales and transportation?

A. For the residential and small commercial forecasts, the Company relies upon econometric and time-series techniques for two components: use per meter and the number of meters. Individual forecasts are made for large commercial customers with special contracts. The growth rates for customers and volume from these models are applied to the most recent data normalized for weather.

Q. How does the Company forecast firm sendout?

A. The firm sales and transportation forecast serves as the basis of the sendout forecast. Calendar month firm sales and transportation is converted to a forecast of sendout by applying an unaccounted-for conversion factor that is the average of the most recent four years ending June 30. The unaccounted-for factor reflects the same data that the Company has filed with DOT for each of those four years.

COG RATE COMPARISON AND BILL IMPACT ANALYSES

Q. How does the proposed 2007 Summer COG rate compare with the actual 2006 Summer COG rate?

A. The Variance Analysis Section shows that the difference between the proposed 2007 Summer rate and the average actual cost of gas in the 2006 Summer period to be an increase of $0.0092 per therm. Of this increase, $0.0868 per therm can be attributed to an increase in

the forecast of commodity prices, which is partially offset by a $0.0598 per therm decrease in demand costs and a $0.0154 per therm decrease in the amount of the over/under collection.

Q. How does the proposed COG rate affect a typical Residential Heating customer's annual and Summer Period bills for the twelve-month and six-month period ended October 2007 compared with the twelve-month and six-month period ended October 2006?

A. The Typical Bill Analysis Section shows that a typical Residential Heating customer's bill for the six months ended October 2007, compared to the six months ended October 2006, will decrease by $34 or 6.6 percent based on typical Summer consumption of 318 therms. This comparison is based on the proposed Summer 2007 residential rate and the actual billed residential rate for each month of the Summer 2006 period. The Typical Bill Analysis section also details monthly bill comparisons at various consumption levels for a Residential Heating customer and compares those to the average actual gas cost rate calculations for the Summer 2006 period. This analysis shows that, based on the average actual gas costs for the Summer 2006 period, the proposed rate is unchanged for the Summer 2007 Summer.

Q. Does this conclude your testimony?

A. Yes it does.

NORTHERN UTILITIES, INC.
NEW HAMPSHIRE DIVISION
MODIFICATION OF THE COST OF GAS CALCULATION
TO A SIMPLIFIED MARKET BASED ALLOCATION ("SMBA") METHOD

PREFILED TESTIMONY OF
JOSEPH A. FERRO

Q. Please state your name and business address.

A. Joseph A. Ferro, 300 Friberg Parkway, Westborough, Massachusetts 01581.

Q. What is your position with Northern Utilities, Inc. ("Northern" or the "Company")?

A. My position is Manager, Regulatory Policy.

Q. Please describe your educational background and utility experience.

A. I graduated from the University of Massachusetts/Boston in 1974 with a Bachelor of Arts degree in Mathematics. I later took accounting courses at Massasoit Community College. I have been employed at Bay State Gas Company since 1977, holding various positions in the Customer Relations area before joining the Rate Department in September 1980 as an Associate Rate Analyst. In February 1983 I was promoted to Rate Analyst. In August 1987 I was promoted to Senior Rate Analyst. On February 1, 1990 I was promoted to Manager, Gas Costing and Rate Analysis; in 1994 I was promoted to Manager, Rate Services and on August 1, 1998 I was promoted to Director of Pricing Services. On August 16, 1999 I became Director, Revenue Development. Around the completion of the merger between NiSource, Inc. and Columbia Energy Group (around November 1, 2000) I was assigned the position of Manager, Regulatory Policy.

Q. What have been your primary responsibilities in the various positions that you have held in the Regulatory Affairs and Rate areas?

A. My primary responsibilities for Bay State and Northern throughout my years of service have included the preparation and support of Cost of Gas Adjustment ("CGA") filings, analyses and forecasting of rates and revenues, supporting adjustments to test year costs as well as determining and sponsoring revenues and billing determinants in Company rate case filings and other rate-related functions. As Director of Pricing Services and Director, Revenue Development, my responsibilities expanded to include directing the analysis and filing of rate design proposals including unbundling initiatives, analyzing the feasibility and filing of special rate contracts, administering all rate tariffs, as well as providing the Company with competitive pricing assessments and implementing effective pricing to enhance the Company's ability to retain and profitably grow distribution load. In my current position of Manager, Regulatory Policy, my responsibilities include setting regulatory and pricing policy and carrying out associated Company initiatives.

Q. Are you a member of any industry organizations?

A. Yes. I am a member of the Northeast Gas Association Rates and Planning Group and a member of the American Gas Association Rates and Strategic Issues Committee.

Q. Have you previously testified before any regulatory bodies?

A. Yes. I have testified before the New Hampshire Public Utilities Commission, the Massachusetts Department of Telecommunications and Energy (formerly the Department of Public Utilities), and the Maine Public Utilities Commission.

Q. Please explain the purpose of your prepared direct testimony.

A. The purpose of my testimony is to explain the allocation of gas costs using the Simplified Market Based Allocation Method ("SMBA") and associated calculation of Cost of Gas (COG) rates. I will also explain how the COGs using the SMBA compare with the COGs calculated under the current method, which is based on a straight two-season calculation with ratios applied to the average cost of gas to determine the Low Winter and High Winter Use Commercial & Industrial ("C&I") COG rates. The use of these ratios was presented with Northern's 2006 Summer COG filing and approved by the Commission in that proceeding, Docket DG 06-038 in Order No. 24,615 dated April 28, 2006.

CURRENT COST OF GAS CALCULATION

Q. How does Northern currently derive the COG rates for the Residential, C&I Low Winter and C&I High Winter classes?

A. Northern first calculates a seasonal average cost of gas based on the respective summer (May – October) and winter (November – April) gas costs and associated demand. In the determination of seasonal costs, fixed demand costs incurred in the summer months that are related to providing service in the winter season are deferred to the winter season. These deferred costs include a portion of pipeline capacity costs and all underground storage capacity costs. The resulting seasonal average cost of gas is the basis for the Residential COG, while the COGs for the C&I Low Winter and High Winter classes are derived by applying load factor based percentages to the average cost of gas.

Q. How have the ratios been determined?

A. Pursuant to a Settlement approved by the Commission in Order No. 23,674 dated April 5,

2001, in Docket DG 00-046, Northern's Revenue Neutral Rate Redesign, the C&I ratios were first determined based on the Market Based Allocation ("MBA") cost of gas analysis filed in that docket. The Company derived ratios to apply to the system average cost of gas using the MBA-allocated seasonal (Winter/Summer) average cost of gas of each C&I classification. Multiplying each load factor C&I class ratio to the average cost of gas would determine the COG for each respective C&I classification. The ratios resulting from Docket DG 00-046 were as follows:

	Winter	Summer
C&I High Winter	1.07588	1.07584
C&I Low Winter	0.72633	0.93833

Q. Has Northern continued to use these ratios to determine the C&I COGs?

A. No. Northern proposed to discontinue the use of these ratios in its 2006 Summer COG proceeding, Docket DG 06-038, and the Commission approved its proposal in Order No. 24,615 dated April 28, 2006. Northern's proposal was based on the determination that these ratios in connection with the MBA results of a 1999 test year no longer produced appropriate COG rates.

Q. Please explain why the use of these ratios no longer produces appropriate COG rates.

A. Since the time of the 1999 test year in Docket DG 00-046, natural gas prices have risen dramatically. These rising gas prices have caused relatively high unit system gas costs over the recent years. Applying the ratios approved in Docket DG 00-046 to these high unit gas costs results in a significant difference between the C&I High Winter and Low Winter customer groups. Further, the high natural gas prices are associated with primarily long-haul supplies that meet Northern's base load requirements and the Company's requirements typically dispatched next after satisfying base load. Thus, much of these supplies are assigned to high load factor (Low Winter) customer classes. The commodity costs of these supplies have risen at a greater rate than the commodity costs for peaking

supply resources and are certainly much higher than in years past, when these supplies were markedly lower than peaking supplies. In the past, high load factor customers (Low Winter) were assigned a large portion of the low cost long lines supplies and a small portion of the relatively high cost peaking supplies, resulting in a favorable ratio between Low Winter and High Winter customers. However, the higher cost of long lines supplies in today's market causes the unit commodity cost to serve low and high load factor customers to be similar, or even higher for the high load factor customers.

The Settlement in Docket DG 00-046 recognized the possibility that these ratios would change over time. One critical item identified as expected to impact the ratios was "the ratio of delivered costs of winter supplies to pipeline delivered supplies." [1] This ratio, once much greater than unity, has approached unity. In short, the test year ratios do not and should not be applied to the current and on-going calculated unit commodity cost of the COG. Because of similar unit commodity costs for the two groups of customers, or higher unit costs for the Low Winter group, and the inappropriate application of the ratios to the unit commodity cost, the difference between the overall gas cost rates between the two groups of customers should be less than differences in the past. In fact, the Company has seen this in the MBA-based Cost of Gas calculations in other jurisdictions, primarily in Northern's Maine Division and for Bay State. For instance, the MBA-based unit gas costs for Northern-Maine filed the past winter period of 2006-07 and this 2006 Summer period are as follows:

	Unit Demand Cost	Unit Commod Cost	Total Unit Cost
Summer 2006			
LLF (High Winter) *	$0.1257 / ccf	$0.8732 / ccf	$0.9989 / ccf

[1] Settlement Agreement Among the Parties to Docket DG 00-046, Northern Utilities, Inc., pg 11.

HLF (Low Winter)	$0.0942	$0.8600	$0.9542
Difference	$0.0315	$0.0132	$0.0447
Winter 06-07			
LLF (High Winter) *	$0.4038 / ccf	$0.9765 / ccf	$1.3803 / ccf
HLF (Low Winter)	$0.3421	$0.9190	$1.2611
Difference	$0.0617	$0.0575	$0.1192

* Includes Residential.

In contrast the Total Unit Gas Cost for the New Hampshire Division using the existing DG 00-046 ratios resulted in improperly large differences between the LLF and HLF rates. For the 2006 Summer period the C&I LLF COG would have been approximately $0.14 per therm higher than the HLF COG. The 2005-06 Winter period C&I LLF COG was approximately $0.46 per therm higher than the HLF COG. These New Hampshire COG differences highlighted that the ratios based on the MBA method run on 1999 test year data and conditions significantly over-stated the load factor unit cost difference of providing gas supply service.

Q. How did the Company modify the use of ratios to derive C&I High Winter and Low Winter COG rates?

A. The Company derived unit demand cost ratios from its Capacity Allocators calculation filed with the Commission once a year with the Company's Winter COG. The resulting ratios were:

- Summer 2006: C&I High Winter - 1.00318; and C&I Low Winter – 0.98199.
- Winter 2006-07: C&I High Winter - 1.0471; and C&I Low Winter – 0.9911.

Q. Does the application of these ratios to the average cost of gas produce cost-based or

market-based gas cost rates for the C&I rate classes?

A. Although the application of these ratios to the average cost of gas significantly improve the reflection of costs in the load factor rates as compared to rates using the 1999 test year MBA ratios, they do not reflect the allocation of costs of all of the dispatched volumes of Northern's entire system portfolio to meet the load characteristics of the Low Load Factor and High Load Factor classes, including the associated commodity costs. While the use of these ratios applicable only to the unit demand cost safeguards against a significantly inaccurate load-factor differentiation of costs, it essentially ensures only a partial reflection of load factor distinct costs.

MARKET BASED ALLOCATION ("MBA") METHOD

Q. Please explain the purpose of using the Market Based Allocation method to derive cost of gas rates.

A. Northern's prior method of calculating COGs, as well as its current method absent any application of ratios, was based on the seasonal average cost of gas for the winter season of November through April and summer season of May through October. This average cost of gas approach does not recognize the difference in costs of providing gas supply service to various load characteristics of customers or groups of customers. In particular, the annual cost of resources to satisfy the demand of a high load factor load versus a low load factor load, typically temperature-sensitive load, can be quite different. In addition, as Northern unbundled its gas supply service from its distribution service and supplier service

became more available behind Northern's system, it became more appropriate to charge bundled sales customers for gas supply service in a manner that would be similar to how third party unregulated suppliers would offer supply service to Northern's customers. This unregulated supply service offering essentially reflects market conditions. Northern implemented the MBA to allocate gas costs and calculate gas cost rates to reflect the distinction in providing gas service to high load and low load factors loads, reflecting such market conditions as well as Northern's cost of providing gas supply service to all its sales customers.

Q. Please elaborate on how the MBA achieves this market based costing of gas supply service.

A. The MBA method identifies the portion of the system load curve that can be served at high annual load factors. In the extreme case of the hypothetical customer with a 100% load factor, i.e., the daily load requirements are the same for the entire annual period, all of such load can be served with relatively low-cost year-round firm supplies. The source of these supplies is typically long-haul, or long line, pipeline natural gas. The MBA identifies the least-cost supplies, considering both capacity and commodity costs combined, to serve the high load block of load. The MBA then assigns those costs, on average, to the loads of the individual customer classes, which make up the block. For this hypothetical 100% load factor customer or customer class, it would be exclusively assigned the cost of the base load supply used to serve its load.

The MBA defines base load usage as the level of system load that remains constant

throughout the year. In practice, the level of capacity in the base load block is computed as the average of the normal year firm sendout over the months of July and August. The base load supply block is intended to serve base load requirements of all customers on the system. The supply costs to serve this block are determined by assigning the lowest cost sources available, including capacity and commodity cost considerations.

The MBA then addresses the allocation of capacity and commodity costs to the portion of the system load curve that remains after this high load factor block is served. These remaining loads are primarily firm winter loads.

Q. Has Northern, or its parent company, Bay State Gas, used the MBA method of calculating cost of gas rates in the past?

A. Yes, both Bay State Gas in Massachusetts and Northern for its Maine Division have calculated its cost of gas rates using the MBA method for many years. However, Bay State Gas changed from the more data-intensive MBA to a Simplified MBA ("SMBA") in its last base rate case, D.T.E. 05-27, while Northern-Maine has proposed to change from the MBA to a SMBA method in its current 2007 Summer Cost of Gas filing, coincident with Northern's proposal in this proceeding for its New Hampshire Division.

Q. Why has Bay State Gas and Northern-Maine implemented or proposed to implement the SMBA?

A. Bay State Gas has changed, and Northern-Maine has proposed to change, from the MBA to the SMBA method to significantly reduce the volume of data, general level of detail

and the time-consuming modeling necessary to calculate class-specific cost of gas rates, while at the same time generating very similar rates for the load factor class categories as compared to the class-specific rates for those same respective classes.

Q. Please explain the level of detail used in the MBA's allocations that Northern-Maine has been using?

A. The MBA method employs a low level of detail. Each of Northern's supply resources is individually allocated. Monthly dispatching results and associated costs are allocated monthly to each rate class. Allocations are performed using separate dispatches for normal year and design year sales requirements. The normal year sales are used to allocate commodity costs while the design year dispatch forms the basis for capacity cost allocations. As a result of this level of detail, the development of MBA allocators represents a sizeable commitment for each cost of gas filing.

Q. Is the capacity cost allocation development included in the MBA method consistent with the capacity assignment methodology set forth in Northern's Delivery Service Terms and Conditions?

A. No. Capacity assignment is based on class design day demands, while the MBA allocates demand costs using a Proportional Responsibility weighted design year monthly allocation. This aspect of the MBA was another reason or incentive to change to the SMBA.

Q. Is it appropriate to allocate capacity costs using one method in the semi-annual COG

filings and use a different method when capacity is assigned to migrating sales customers?

A. No. Ideally the two methods should employ identical methods to insure that the capacity-related supply costs for migrating sales customers are the same costs charged to them when they were sales customers. If not, marketers will be assessed an inequitable cost for assigned capacity and the assignment of the remaining capacity costs to sales customers through the COGC would also be inequitable.

SIMPLIFIED MARKET BASED ALLOCATION ("SMBA")

Q. What are the major differences between the current MBA method that was the basis for the C&I load factor ratios pursuant to DG 00-046 and that has been used for Northern-Maine and the simplified version or SMBA?

A. The SMBA uses a single, normal year dispatch for both commodity and capacity. It allocates average pipeline capacity and commodity costs to the base use portion of the load curve and then allocates all remaining supply costs to the remaining load requirements throughout the year. Note though, that the SMBA and MBA identify the base use portion of the load curve in the same manner, as the average of the normal year firm sendout over the months of July and August.

The SMBA then allocates the remaining capacity costs on the basis of temperature-sensitive design day demands. While the MBA method requires the ranking of each individual resource by the respective fully loaded (commodity and demand) costs, the SMBA method creates three categories of resources and associated costs: (1) pipeline –

natural gas; (2) underground storage withdrawal; and (3) peaking delivered supplies, including propane and LNG.

Finally, the SMBA assigns costs to the requirements of the load profile of the high load factor and low load factor groupings, rather than by each rate class. Note that to adhere to the current provision of deriving the average cost of gas for the COG applicable to the residential rate classes, the residential classes are assigned the average demand and commodity costs, and the difference between these average costs and the costs allocated using the SMBA are reallocated to the HLF and LLF classes based on their percentage of allocated costs to total costs. Working with two load factor categories and the residential class is a simplification, especially in that it limits the number of COG rates, that does not result in any material change in the cost assignment of rate classes since the load profiles of the individual rate classes within the high load factor (low winter) and low load factor (high winter) categories are quite similar. Thus, another reason why Bay State Gas has changed to the SMBA, and Northern-Maine has proposed to change to the SMBA, is that the SMBA high load factor based rates are quite similar to the MBA class-specific rates for the G-50, G-51 and G-52 classes and the low load factor based rates are quite similar to the G-40, G-41 and G-42 class rates.

Q. Please explain any changes in the assignment of costs between the Maine and New Hampshire divisions and between the Summer and Winter periods as a result from using the SMBA method rather than the straight 2-season method for the New Hampshire Division and the MBA method for the Maine Division.

A. First and foremost, the allocation of actual and forecast annual costs between the two divisions does not change from changing to the SMBA method from either the straight 2-season or MBA methods. In short, costs are allocated between the two divisions ***before*** any cost of gas pricing model is applied to either division. In particular, and as has been the case, actual monthly commodity costs will be allocated between the two divisions based on actual monthly firm sendout factors / percentages, while forecast commodity costs through the SMBA (or MBA) modeling is based on the monthly firm sendout volumes of each division. Similarly, the allocation of actual and forecast demand costs between the two divisions will be the same, as demand costs are allocated using the Modified PR Allocator that was instituted pursuant to the New Hampshire Commission order in Docket DG 05-080, as well as in the Maine Commission order in Docket No. 2005-87 and Docket No. 2005-273.

With respect to seasonal allocation of costs, once the costs are allocated to each division, there will be some slight shifting of costs between the seasons. There could be only a slight shifting of commodity costs between the two seasons due to using the SMBA method as compared to the straight 2-season allocation. This slight shifting would only be due to the SMBA method costing monthly pipeline requirements at the average cost of pipeline, rather than how the straight 2-season method captures the costs of all monthly dispatched pipeline resources needed to satisfy firm demand, at each resource's monthly cost. This could result in capturing more or less commodity costs in a particular six-month COG season. With respect to demand costs, the SMBA employs a design day demand allocation of capacity costs that establishes the level of demand costs related to

Remaining Pipeline (above base load level), at that design day demand level, and assigns to each month based on the monthly PR percentages. With respect to the straight 2-season method, the monthly demand costs associated with all pipeline resources incurred and used in the summer period are charged to the summer period. Under both methodologies demand costs associated with storage and peaking resources are assigned to the winter period only. The difference in the seasonal allocation of pipeline demand costs between the two methodologies should result in some shift of demand costs between the two seasons. Schedule JAF-1 presents the Summer period and Winter period commodity and demand costs allocated to each division and to each season under both the SMBA and the straight 2-season methods. (Note that the MBA method used for the Maine Division, before costs are allocated to the two divisions does not impact divisional allocation of costs.) This schedule shows: (1) No shifting of costs between the New Hampshire and Maine divisions; (2) Extremely minor shifting of commodity costs from summer to winter period (approximately $17,000 or 0.04% for NH); and (3) Approximately $580,000, or about 4.5%, of demand costs shifted from summer to winter.

Q. How do the COG rates using the SMBA method compare with the current method of deriving COGs, which uses the straight 2-season method and applies the C&I load factor ratios based on the load factor unit capacity costs used to derive the Capacity Allocators?

A. Northern has derived COGs for the 2006-07 Winter and 2007 Summer periods using both the SMBA and current COG method. Schedule JAF-2 shows that the difference between the C&I Low Winter and High Winter COGs is **greater** using the SMBA as compared to the current COG method. This difference reflects that the SMBA method is reflecting the

allocation of the demand and commodity costs associated with the dispatching of the entire portfolio of resources. These SMBA results show that more of the higher cost resources are needed to satisfy the High Winter (low load factor) customer demand (and less to satisfy the Low Winter customer demand) as compared to the current COG method, based on the classes' monthly demand for the forecast period of May 2007 through April 2008.

Q. Is the SMBA consistent with the capacity assignment method provided in Northern's Delivery Service Terms and Conditions?

A. Yes. The SMBA method is emulating the same method used for capacity assignment in the gas cost allocations, in particular, using design day demand to allocate remaining capacity costs after assigning pipeline capacity costs. In this manner, migrating customers are assigned the same capacity cost, associated with their design day demand, for which they were paying under the COG Clause rates.

Q. Please generally describe the SMBA method.

A. The SMBA method identifies two portions of the utility's load duration curve and separately assigns costs to each portion of the curve. For a simple example, Schedule JAF-3 presents a typical load duration curve to meet the New Hampshire Division requirements to demonstrate the SMBA method. The rectangle forming the lower portion of the curve represents the "base use" portion of the curve, which can be served at extremely high annual firm load factors. All of this load can be served with relatively inexpensive resources, typically long line natural gas supplies. The SMBA method

identifies the capacity and commodity costs for both supply and upstream transportation contracts to deliver these low cost supplies to the high load factor block of load. The SMBA assigns these costs, on average, to the loads of the individual customer classes that make up this block. The upper triangle portion of the load duration curve represents the "remaining load". This remaining load is load served by a combination of supplies including the pipeline supplies not serving the base use portion of the curve, winter service contracts, underground storage supplies, peaking supplies and on-system manufactured gas from the LNG and propane facilities.

The SMBA method defines base use as the level of system firm customer load that remains constant throughout the year. Interruptible loads and storage refill requirements are not considered as part of the base use load since interruptible loads are not firm loads and storage refill does not represent customer load. Instead, customer loads served by storage withdrawals and their associated costs are treated as part of remaining load. In practice the level of capacity or the maximum daily quantity of the base use block is computed as the average daily normal year firm sendout over the months of July and August. The base load supply block is intended to serve these requirements throughout the year. So, a hypothetical 100% load factor customer would be exclusively assigned the costs of the base load supply used to serve his load. On the other hand, for a customer who only uses gas in the winter period, none of his load is in the base use block of the utility's load duration curve and he would not receive, or be assigned, any of the base load use block of supply.

The remainder of the SMBA method addresses the allocation of capacity and commodity costs to the portion of the system load curve that remains after this high load factor block is served. These loads primarily consist of firm loads in the winter period. In the summer period, the remaining loads consist of interruptible load, storage refill, and a minor amount of firm load served on cooler days in the summer period.

Q. How is capacity costs allocated for the load remaining after serving the high load factor block?

A. The SMBA method employs a normal weather year's monthly dispatch of supplies net of the high load factor block already served. The remaining loads to be served are identified as a single block, which is simpler than the MBA method of stratifying the remaining load for each dispatched supply source. Pipeline charges required for summer period storage injections are included in the remaining load category and are assigned primarily to the winter period. The SMBA method allocates the remaining capacity to classes on the basis of their respective design day demand less that portion of their load served by base use supplies. Capacity costs are assigned to months using a Proportional Responsibility (PR) allocator based on the system's remaining load in a normal year. The PR allocator is applied to the total remaining capacity cost to assign proportionately higher capacity costs to higher load periods. Monthly costs are then allocated to customer classes in proportion to their monthly usage, after deducting load served by the high load factor block.

Q. How is the commodity costs allocated to the remaining portion of the system load curve?

A. Monthly commodity costs are computed residually after serving the base load use block.

Test year monthly commodity costs by source are reduced for base load commodity. The remaining monthly load was assigned to customer classes in proportion to their remaining usage.

Q. Mr. Ferro, have you provided schedules that show the detailed data that result in the seasonal allocation of costs and the allocation of those costs between the load factor class categories?

A. Yes. I have included with my testimony many of the same schedules that have been included as exhibits to the testimony of Ronald D. Gibbons in support of Northern's 2007 Summer COG rates. These schedules show the firm sales, associated sendout and resulting cost allocations by the SMBA-designated categories, by month and by rate class rolled up to the high and low load factor groupings, as well as the assignment of the system average demand and commodity costs to the Residential class. These various schedules are presented as follows:

- Schedule JAF-4: Summary of costs by season, by Demand and Commodity, by Base Load and above Base Load requirements ("Gas Cost Exhibits" section of COG filing);
- Schedule JAF-5: Monthly, seasonal and annual sales and capacity-assigned transportation load by rate class ("Sales Exhibits" section of COG filing);
- Schedule JAF-6: Design Day Demands by rate class – Temperature sensitive Design Day percentages that generate "Remaining Capacity" costs provided in "Gas Cost Exhibits" section of COG filing;
- Schedule JAF-7: Sendout by rate class, by month, by Base and Remaining Load --

Volumes generating commodity costs in the "Gas Cost Exhibits" section of COG filing;

- Schedule JAF-8: Commodity volumes, costs and unit costs by month and by Pipeline, Storage and Peaking and by Base and Remaining load requirements (in "Gas Cost Exhibits" section of COG filing);
- Schedule JAF-9: Demand costs by month, by Base Pipeline, Remaining Pipeline and Storage and Peaking demand costs (in "Gas Cost Exhibits" section of COG filing);
- Schedule JAF-10: Base Commodity and Capacity/Demand costs by rate class, by month (in "Gas Cost Exhibits" section of COG filing);
- Schedule JAF-11: Remaining Commodity and Capacity/Demand costs by rate class, by month (in "Gas Cost Exhibits" section of COG filing);
- Schedule JAF-12: All Costs by Commodity and Capacity, by month, by Base and Remaining requirements (in "Gas Cost Exhibits" section of COG filing)

Q. What do these schedules generally illustrate?

A. These schedules illustrate how Northern's capacity and commodity resources and associated costs, through the SMBA method, are assigned by month, by rate class to meet the firm sales and capacity-assigned transportation load. Mr. Gibbons takes these cost allocation results to derive cost of gas rates by the two SMBA rate categories of C&I High Load Factor (low winter) and C&I Low Load Factor (high winter), along with deriving the Residential COG based on the system average cost of gas.

Q. Mr. Ferro, please summarize the merits of implementing the SMBA method to derive COG rates.

A. The SMBA is a method of calculating market based gas cost rates on an ongoing basis without the data intensive requirements or model run time needs that the original MBA required, and without losing any material pricing differential or accuracy in price signals that the original MBA afforded. This method allows for much better commodity price signals for Northern's C&I customers as compared to the current straight 2-season COG method, with the C&I ratio application. The SMBA also allows for consistency between assignment of capacity to transportation customers and capacity costs charged to sales customers through the COG. In addition, the SMBA method will be consistent with the cost of gas pricing methodology used by Bay State Gas and Northern-Maine, which allows for consistent market-based pricing for all of the Company's customers, and secondarily allows for increased administrative efficiencies for the Company in implementing its cost of gas rates in its three state jurisdictions of New Hampshire, Maine and Massachusetts.

Q. Does this conclude your testimony?

A. Yes it does.

Northern Utilities, Inc - New Hampshire Division **Schedule JAF-1**
Comparison of Annual Costs --- Straight 2-Season / MBA vs. SMBA
May 2007 through April 2008 Forecast

Allocated Commodity Costs-New Hampshire

	Straight 2-Season / MBA				SMBA				Difference		
	Winter	Summer	Total	%	Winter	Summer	Total	%	Winter	Summer	Total
Maine	$27,574,465	$6,522,256	$34,096,721	**46.11%**	$27,574,509	$6,534,370	$34,108,879	**46.11%**	$44	$12,114	$12,158
NH	$30,730,101	$9,121,954	$39,852,055	**53.89%**	$30,730,052	$9,139,080	$39,869,132	**53.89%**	($49)	$17,126	$17,077
Total	$58,304,566	$15,644,210	$73,948,776		$58,304,561	$15,673,450	$73,978,011		($5)	$29,240	$29,235

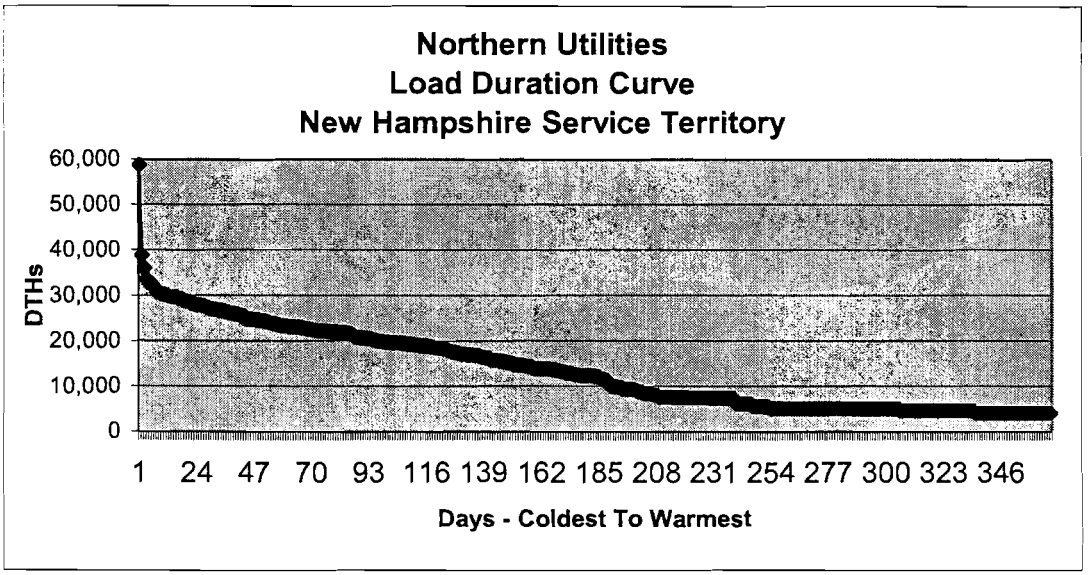
Allocated Demand Costs

	Straight 2-Season				SMBA				Difference		
NEW HAMPSHIRE	Winter	Summer	Total		Winter	Summer	Total		Winter	Summer	Total
Direct Costs	$9,764,044	$3,615,023	$13,379,067		$12,288,837	$1,090,218	$13,379,055		$2,524,793	($2,524,805)	($12)
Summer Deferred	$1,942,423	($1,942,423)	$0		$0	$0	$0		($1,942,423)	$1,942,423	$0
Capacity Release		$0	$0		$0	$0	$0		$0	$0	$0
SUBTOTAL	$11,706,467	$1,672,600	$13,379,067	**50.46%**	$12,288,837	$1,090,218	$13,379,055	**50.46%**	$582,370	($582,382)	($12)
MAINE		(MBA)									
Direct Costs	$11,768,822	$1,370,192	$13,139,014		$11,972,298	$1,162,710	$13,135,008		$203,476	($207,482)	($4,006)
Non-core Margins	($3,996)	$0	($3,996)		$0	$0	$0		$3,996	$0	$3,996
SUBTOTAL	$11,764,826	$1,370,192	$13,135,018	**49.54%**	$11,972,298	$1,162,710	$13,135,008	**49.54%**	$207,472	($207,482)	($10)
Total Northern Allocated Demand Costs			$26,514,085				$26,514,063				
NH (only) -- Non-allocated:											
Miscellaneous O/H	$95,460	$28,837	$124,297		$95,460	$28,837	$124,297		$0	$0	$0
Production and Storage	$686,673	$0	$686,673		$686,673	$0	$686,673		$0	$0	$0
Total Non-allocated	$782,133	$28,837	$810,970		$782,133	$28,837	$810,970		$0	$0	$0
Total N.H.	**$12,488,600**	**$1,701,437**	**$14,190,037**		**$13,070,970**	**$1,119,055**	**$14,190,025**		**$582,370**	**($582,382)**	**($12)**

Northern Utilities, Inc. - New Hampshire Division
Comparison of Straight 2-season with C&I Ratios and SMBA Load Factor Unit Costs of Gas

2007 Summer and 2006-07 Winter Forecast COG Filings

	2007 Summer COG Rates / therm			2006-07 Winter COG Rates / therm		
	Straight 2-Season w-C&I Ratios	SMBA - Load Factor	Difference	Straight 2-Season w-C&I Ratios	SMBA - Load Factor	Difference
Demand						
Residential	$0.1516	$0.0988	-$0.0528	$0.2811	$0.3073	$0.0262
C&I Low Winter	$0.1500	$0.0587	-$0.0913	$0.2792	$0.1877	-$0.0915
C&I High Winter	$0.1532	$0.1427	-$0.0105	$0.2950	$0.3656	$0.0706
Commodity						
Residential	$0.8385	$0.8401	$0.0016	$0.9514	$0.8632	-$0.0882
C&I Low Winter	$0.8385	$0.8303	-$0.0082	$0.9514	$0.9033	-$0.0481
C&I High Winter	$0.8385	$0.8429	$0.0044	$0.9514	$0.8496	-$0.1018
Total Unit Cost of Gas						
Residential	$0.9901	$0.9389	-$0.0512	$1.2325	$1.1705	-$0.0620
C&I Low Winter	$0.9885	$0.8890	-$0.0995	$1.2306	$1.0910	-$0.1396
C&I High Winter	$0.9917	$0.9856	-$0.0061	$1.2464	$1.2152	-$0.0312
C&I Differential	$0.0032	$0.0966	$0.0934	$0.0158	$0.1242	$0.1084


Northern Utilities
Load Duration Curve
New Hampshire Service Territory
60,000
50,000
40,000
30,000
20,000
10,000
0
DTHs
1 24 47 70 93 116 139 162 185 208 231 254 277 300 323 346
Days - Coldest To Warmest

Northern Utilities - NEW HAMPSHIRE DIVISION
Summary of Costs to Winter and Summer Seasons

Line No	Description (1)	Nov - Apr (2)	May - Oct (3)	Total (4) = (2)+ (3)
	DEMAND:			
1	Pipeline/Product Charges	$4,248,510	$584,464	$4,832,973
2	Capacity Credits	$0	$0	$0
3	**Total Pipeline/Product**	**$4,248,510**	**$584,464**	**$4,832,973**
4	Base Load Costs	$338,516	$338,516	$677,033
5	Remaining Pipeline	$3,909,994	$245,947	$4,155,941
6	Storage Demand	$3,833,306	$505,754	$4,339,061
7	Peaking Demand	$4,207,021	$0	$4,207,021
8	Off System Credits	$0	$0	$0
	Total Demand Costs	**$12,288,837**	**$1,090,218**	**$13,379,055**
10	**COMMODITY:**			
11	Pipeline/Product Commodity Charges	$13,937,035	$9,129,849	$23,066,884
12	Base Load	$8,111,650	$7,664,336	$15,775,986
13	Remaining Pipeline	$5,825,385	$1,465,513	$7,290,898
14	Storage Commodity	$13,921,699	$0	$13,921,699
15	Peaking Commodity	$2,892,165	$41,955	$2,934,119
16	Interruptible Included Above	$ (20,846)	$ (32,724)	$ (53,570)
17	Hedging (Gain)/Loss	$0	$126,764	$126,764
18	**Total Commodity** (Lines 14 + 18)	**$30,730,052**	**$9,265,844**	**$39,995,896**
19	**Total Demand and Commodity**	**$43,018,890**	**$10,356,062**	**$53,374,951**

Northern Utilities - NEW HAMPSHIRE DIVISION
Forecasted Sales and Transportation (Volumes in DTH)
Winter 2007 - 2008 Period
Effective May 2007

Schedule JAF-5

Line No.	Firm Sales	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	Winter	Summer
1	Res Heat	161,765	244,621	283,611	243,924	208,415	131,594	69,679	37,733	37,137	30,809	46,761	100,698	1,596,747	1,273,930	322,817
2	Res General	2,773	3,343	3,612	3,338	3,094	2,565	2,134	1,914	2,145	1,653	1,976	2,348	30,895	18,725	12,170
3	Total Residential	**164,538**	**247,964**	**287,223**	**247,262**	**211,509**	**134,159**	**71,813**	**39,647**	**39,282**	**32,462**	**48,737**	**103,046**	**1,627,642**	**1,292,655**	**334,987**
4	G50 Low Annual-Low Winter	16,565	18,073	18,746	18,061	17,448	16,122	14,481	14,397	14,668	13,974	14,552	14,113	191,200	105,015	86,185
5	G40 Low Annual-High Winter	81,366	127,696	149,498	127,306	107,451	64,495	29,754	11,976	10,507	8,550	17,000	47,016	782,615	657,812	124,803
6	G51 Med Annual-Low Winter	34,834	41,405	44,496	41,349	38,533	32,442	27,343	24,822	25,523	23,427	25,535	29,205	388,914	233,059	155,855
7	G41 Med Annual-High Winter	85,116	131,959	154,004	131,566	111,490	68,058	32,910	14,936	11,074	13,848	20,016	50,364	825,341	682,193	143,148
8	G52 High Annual-Low Winter	31,580	46,717	53,840	46,589	40,102	26,068	14,681	8,873	7,301	8,846	10,515	20,321	315,433	244,896	70,537
9	G42 High Annual-High Winter	22,113	32,072	36,759	31,988	27,720	18,487	10,985	4,029	28,181	7,691	7,189	14,695	241,909	169,139	72,770
10	Total Comm	**271,574**	**397,922**	**457,343**	**396,859**	**342,744**	**225,672**	**130,154**	**79,033**	**97,254**	**76,336**	**94,807**	**175,714**	**2,745,412**	**2,092,114**	**653,298**
11	Total Sales	**436,112**	**645,886**	**744,566**	**644,121**	**554,253**	**359,831**	**201,967**	**118,680**	**136,536**	**108,798**	**143,544**	**278,760**	**4,373,054**	**3,384,769**	**988,285**
12	Non-Grandfathered T50 Low Annual-Low Winter	1,564	2,322	2,679	2,316	1,991	1,288	717	426	382	391	508	1,000	15,584	12,160	3,424
13	Non-Grandfathered T40 Low Annual-High Winter	4,976	7,634	8,886	7,612	6,473	4,008	2,012	991	951	751	1,280	3,002	48,576	39,589	8,987
14	Non-Grandfathered T51 Med Annual-Low Winter	5,662	6,666	7,138	6,657	6,227	5,297	4,516	4,131	4,451	3,712	4,240	4,492	63,189	37,647	25,542
15	Non-Grandfathered T41 Med Annual-High Winter	23,364	35,168	40,722	35,068	30,010	19,066	10,195	5,665	5,162	4,921	6,946	14,593	230,880	183,398	47,482
16	Non-Grandfathered T52 High Annual-Low Winter	926	1,018	1,164	1,153	1,032	1,051	887	986	1,291	1,176	1,240	1,269	13,193	6,344	6,849
17	Non-Grandfathered T42 High Annual-High Winter	10,657	16,051	18,590	16,005	13,694	8,694	4,640	2,571	3,388	1,990	3,155	6,649	106,084	83,691	22,393
18	Total Non-Grandfathered Capacity	**47,149**	**68,859**	**79,179**	**68,811**	**59,427**	**39,404**	**22,967**	**14,770**	**15,625**	**12,941**	**17,369**	**31,005**	**477,506**	**362,829**	**114,677**
19	**Total Firm Sales**	**483,261**	**714,745**	**823,745**	**712,932**	**613,680**	**399,235**	**224,934**	**133,450**	**152,161**	**121,739**	**160,913**	**309,765**	**4,850,560**	**3,747,598**	**1,102,962**
20	Residential Heat & Non Heat	164,538	247,964	287,223	247,262	211,509	134,159	71,813	39,647	39,282	32,462	48,737	103,046	1,627,642	1,292,655	334,987
21	SALES HLF CLASSES	82,979	106,195	117,082	105,999	96,083	74,632	56,505	48,092	47,492	46,247	50,602	63,639	895,547	582,970	312,577
22	SALES LLF CLASSES	188,595	291,727	340,261	290,860	246,661	151,040	73,649	30,941	49,762	30,089	44,205	112,075	1,849,865	1,509,144	340,721
23	Non-Grandfathered HLF CLASSES	8,152	10,006	10,981	10,126	9,250	7,636	6,120	5,543	6,124	5,279	5,988	6,761	91,966	56,151	35,815
24	Non-Grandfathered LLF CLASSES	38,997	58,853	68,198	58,685	50,177	31,768	16,847	9,227	9,501	7,662	11,381	24,244	385,540	306,678	78,862
25	Total Firm Sales	**483,261**	**714,745**	**823,745**	**712,932**	**613,680**	**399,235**	**224,934**	**133,450**	**152,161**	**121,739**	**160,913**	**309,765**	**4,850,560**	**3,747,598**	**1,102,962**

Northern Utilities - NEW HAMPSHIRE DIVISION
SENDOUT FORECAST: Normal Calendar Month Sendout (MMBtu)
DESIGN DAY DEMANDS ALL DIVISIONS

Schedule JAF-6

1	Sendout for Design Day Calculation					Excludes Design Day Base Temperature Sensitive	
2		Design Day	% of	Design Day	% of	Design Day	% of
3		Forecast	Total	Base	Total		
4	Customer Class	NH	Total	NH	Total	NH	Total
5							
6	Res Heat	20,719	36.59%	1,140	24.80%	19,579	37.64%
7	Res General	175	0.31%	69	1.50%	106	0.20%
8	G50 Low Annual-Low Winter	1,503	2.65%	1,160	25.23%	343	0.66%
9	G40 Low Annual-High Winter	11,296	19.95%	311	6.77%	10,985	21.12%
10	G51 Med Annual-Low Winter	2,639	4.66%	850	18.49%	1,789	3.44%
11	G41 Med Annual-High Winter	11,231	19.84%	370	8.05%	10,861	20.88%
12	G52 High Annual-Low Winter	1,385	2.45%	235	5.11%	1,150	2.21%
13	G42 High Annual-High Winter	3,737	6.60%	153	3.33%	3,584	6.89%
14	Non-Grandfathered T50 Low Annual-Low Winter	62	0.11%	9	0.20%	53	0.10%
15	Non-Grandfathered T40 Low Annual-High Winter	302	0.53%	20	0.44%	282	0.54%
16	Non-Grandfathered T51 Med Annual-Low Winter	418	0.74%	102	2.22%	316	0.61%
17	Non-Grandfathered T41 Med Annual-High Winter	2,461	4.35%	119	2.59%	2,342	4.50%
18	Non-Grandfathered T52 High Annual-Low Winter	42	0.07%	12	0.26%	30	0.06%
19	Non-Grandfathered T42 High Annual-High Winter	650	1.15%	47	1.02%	603	1.16%
20	Non-Grandfathered Special Contracts	56,620		4,597		52,023	
21							
22	Residential	20,894	36.90%	1,209	26.30%	19,685	37.84%
23	SALES HLF CLASSES	5,527	9.76%	2,245	48.84%	3,282	6.31%
24	SALES LLF CLASSES	26,264	46.39%	834	18.14%	25,430	48.88%
25	Non-Grandfathered HLF CLASSES	522	0.92%	123	2.68%	399	0.77%
26	Non-Grandfathered LLF CLASSES	3,413	6.03%	186	4.05%	3,227	6.20%
27	Grand Total	56,620	100.00%	4,597	100.00%	52,023	100.00%

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Allocator (SMBA) Calculations
SENDOUT BY CLASS

Schedule JAF-7

ESTIMATED SENDOUT BY CLASS
Therms

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	Winter	Summer	% in Winter
Res Heat	1,633,830	2,470,670	2,864,480	2,463,640	2,104,990	1,329,100	703,760	381,110	375,090	311,170	472,290	1,017,050	16,127,180	12,866,710	3,260,470	80%
Res General	28,000	33,770	36,480	33,720	31,250	25,900	21,550	19,330	21,660	16,690	19,960	23,710	312,020	189,120	122,900	61%
G50 Low Annual-Low Winter	167,310	182,540	189,340	182,420	176,230	162,830	148,250	145,410	148,150	141,140	146,970	142,550	1,931,140	1,060,670	870,470	55%
G40 Low Annual-High Winter	821,790	1,289,730	1,509,930	1,285,800	1,085,250	651,400	300,510	120,960	106,120	86,360	171,700	474,860	7,904,410	6,643,900	1,260,510	84%
G51 Med Annual-Low Winter	351,830	418,190	449,410	417,630	389,190	327,660	276,170	250,700	257,790	236,810	257,900	294,970	3,928,050	2,353,910	1,574,140	60%
G41 Med Annual-High Winter	859,670	1,332,790	1,555,440	1,328,810	1,126,050	687,380	332,400	150,850	111,850	139,870	202,160	508,670	8,335,940	6,890,140	1,445,800	83%
G52 High Annual-Low Winter	318,960	471,840	543,780	470,550	405,030	263,290	148,280	89,620	73,740	89,340	106,200	205,240	3,185,870	2,473,450	712,420	78%
G42 High Annual-High Winter	223,340	323,930	371,260	323,080	279,970	186,710	110,940	40,690	284,630	77,680	72,610	148,420	2,443,260	1,708,290	734,970	70%
Non-Grandfathered T50 Low Annual-Low Winter	15,790	23,450	27,060	23,390	20,110	13,010	7,240	4,300	3,850	3,950	5,140	10,100	157,390	122,810	34,580	78%
Non-Grandfathered T40 Low Annual-High Winter	50,250	77,110	89,740	76,880	65,370	40,480	20,320	10,010	9,600	7,590	12,930	30,320	490,600	399,830	90,770	81%
Non-Grandfathered T51 Med Annual-Low Winter	57,190	67,320	72,090	67,240	62,890	53,500	45,610	41,730	44,960	37,500	42,830	45,370	638,230	380,230	258,000	60%
Non-Grandfathered T41 Med Annual-High Winter	235,970	355,190	411,300	354,200	303,100	192,560	102,970	57,220	52,140	49,700	70,150	147,380	2,331,880	1,852,320	479,560	79%
Non-Grandfathered T52 High Annual-Low Winter	9,350	10,270	11,760	11,640	10,430	10,600	8,960	9,960	13,040	11,870	12,530	12,820	133,230	64,050	69,180	48%
Non-Grandfathered T42 High Annual-High Winter	107,640	162,120	187,750	161,660	138,320	87,800	46,860	25,960	34,210	20,100	31,870	67,160	1,071,450	845,290	226,160	79%
TOTAL	4,880,920	7,218,920	8,319,820	7,200,660	6,198,180	4,032,220	2,271,820	1,347,850	1,536,830	1,229,570	1,625,240	3,128,620	48,990,650	37,850,720	11,139,930	77%
Residential	1,661,830	2,504,440	2,900,960	2,497,360	2,138,240	1,355,000	725,310	400,440	396,750	327,860	492,250	1,040,780	18,439,200	13,055,830	3,383,370	
SALES HLF CLASSES	838,100	1,072,570	1,182,530	1,070,600	970,450	753,780	570,700	485,730	479,680	467,090	511,070	642,780	9,045,080	5,888,030	3,157,030	65%
SALES LLF CLASSES	1,904,800	2,948,450	3,436,630	2,937,890	2,491,270	1,525,490	743,850	312,500	502,600	303,910	446,470	1,131,950	18,683,610	15,242,330	3,441,280	82%
Non-Grandfathered HLF CLASSES	82,330	101,040	110,910	102,270	93,430	77,110	61,810	55,990	61,850	53,320	60,500	88,290	928,850	587,090	361,760	61%
Non-Grandfathered LLF CLASSES	393,860	594,420	688,790	592,740	506,790	320,840	170,150	93,190	95,950	77,390	114,950	244,860	3,893,930	3,097,440	796,490	80%

BASE SENDOUT BY CLASS - Therms

July Aug Daily Average **44,619**

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER	Daily Base Gas Entitlement
	30	31	31	29	31	30	31	30	31	31	30	31				
Res Heat	332,061	343,130	343,130	320,993	343,130	332,061	343,130	332,061	343,130	311,170	332,061	343,130	4,019,188	2,014,505	2,004,683	11,069
Res General	18,556	19,175	19,175	17,938	19,175	18,558	19,175	18,556	19,175	16,690	18,556	19,175	223,904	112,576	111,328	619
G50 Low Annual-Low Winter	139,979	144,645	144,645	135,313	144,645	139,979	144,645	139,979	144,645	141,140	139,979	142,550	1,702,144	849,206	852,938	4,666
G40 Low Annual-High Winter	93,135	96,240	96,240	90,031	96,240	93,135	96,240	93,135	96,240	86,360	93,135	96,240	1,126,373	565,022	561,351	3,105
G51 Med Annual-Low Winter	239,226	247,200	247,200	231,252	247,200	239,226	247,200	239,226	247,200	236,610	239,226	247,200	2,907,965	1,451,303	1,456,662	7,974
G41 Med Annual-High Winter	121,800	125,860	125,860	117,740	125,860	121,800	125,860	121,800	111,850	125,860	121,800	125,860	1,471,950	738,920	733,030	4,060
G52 High Annual-Low Winter	78,910	81,540	81,540	76,279	81,540	78,910	81,540	78,910	73,740	81,540	78,910	81,540	954,898	478,719	476,179	2,630
G42 High Annual-High Winter	175,311	181,155	181,155	169,468	181,155	175,311	110,940	40,690	181,155	77,680	72,610	148,420	1,895,050	1,063,555	631,495	5,844
Non-Grandfathered T50 Low Annual-Low Winter	3,774	3,900	3,900	3,648	3,900	3,774	3,900	3,774	3,850	3,900	3,774	3,900	45,995	22,897	23,098	126
Non-Grandfathered T40 Low Annual-High Winter	8,318	8,595	8,595	8,040	8,595	8,318	8,595	8,318	8,595	7,590	8,318	8,595	100,471	50,461	50,010	277
Non-Grandfathered T51 Med Annual-Low Winter	39,900	41,230	41,230	38,570	41,230	39,900	41,230	39,900	41,230	37,500	39,900	41,230	483,050	242,060	240,990	1,330
Non-Grandfathered T41 Med Annual-High Winter	49,277	50,920	50,920	47,635	50,920	49,277	50,920	49,277	50,920	49,700	49,277	50,920	599,965	298,950	301,015	1,643
Non-Grandfathered T52 High Annual-Low Winter	9,350	10,270	11,760	11,640	10,430	10,600	8,960	9,960	12,455	11,870	12,053	12,455	131,803	64,050	67,753	402
Non-Grandfathered T42 High Annual-High Winter	26,279	27,155	27,155	25,403	27,155	26,279	27,155	25,960	27,155	20,100	26,279	27,155	313,230	159,428	153,804	876
TOTAL	1,335,877	1,381,015	1,382,505	1,293,950	1,381,175	1,337,127	1,309,490	1,201,547	1,361,340	1,207,710	1,235,879	1,348,370	15,775,986	8,111,650	7,664,336	44,619
Residential	350,618	362,305	362,305	338,930	362,305	350,618	362,305	350,618	362,305	327,860	350,618	362,305	4,243,091	2,127,081	2,116,010	
SALES HLF CLASSES	458,115	473,385	473,385	442,844	473,385	458,115	473,385	458,115	465,585	459,290	458,115	471,290	5,565,007	2,779,228	2,785,779	
SALES LLF CLASSES	390,247	403,255	403,255	377,239	403,255	390,247	333,040	255,625	389,245	289,900	287,545	370,520	4,293,373	2,387,497	1,925,876	
Non-Grandfathered HLF CLASSES	53,024	55,400	56,890	53,858	55,560	54,274	54,090	53,634	57,535	53,270	55,727	57,585	660,848	329,007	331,842	1,858
Non-Grandfathered LLF CLASSES	83,874	86,670	86,670	81,078	86,670	83,874	86,670	83,555	86,670	77,390	83,874	86,670	1,013,666	508,837	504,829	2,796

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
SENDOUT BY CLASS

Schedule JAF-7

1 REMAINING SENDOUT BY CLASS - Therms

		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
6	Res Heat	1,301,769	2,127,540	2,521,350	2,142,647	1,761,860	997,039	360,630	49,049	31,960	-	140,229	673,920	12,107,992	10,852,205	1,255,787
7	Res General	9,444	14,595	17,305	15,782	12,075	7,344	2,375	774	2,485	-	1,404	4,535	88,116	76,544	11,572
9	G50 Low Annual-Low Winter	27,331	37,895	44,695	47,107	31,585	22,851	1,605	5,431	3,505	-	6,991	-	228,996	211,464	17,532
10	G40 Low Annual-High Winter	728,655	1,193,490	1,413,690	1,195,769	989,010	558,265	204,270	27,825	9,880	-	78,565	378,620	6,778,037	6,078,878	699,159
11	G51 Med Annual-Low Winter	112,604	170,990	202,210	186,378	141,990	88,434	28,970	11,474	10,590	-	18,674	47,770	1,020,085	902,607	117,478
12	G41 Med Annual-High Winter	737,870	1,206,930	1,429,580	1,211,070	1,000,190	565,580	206,540	29,050	-	14,010	80,360	382,810	6,863,990	6,151,220	712,770
13	G52 High Annual-Low Winter	240,050	390,300	462,240	394,271	323,490	184,380	66,740	10,710	-	7,800	27,290	123,700	2,230,972	1,994,731	236,241
14	G42 High Annual-High Winter	48,029	142,775	190,105	153,612	98,815	11,399	-	-	103,475	-	-	-	748,210	644,735	103,475
15	Non-Grandfathered T50 Low Annual-Low Winter	12,016	19,550	23,160	19,742	16,210	9,236	3,340	526	-	50	1,366	6,200	111,395	99,913	11,482
16	Non-Grandfathered T40 Low Annual-High Winter	41,932	68,515	81,145	68,840	56,775	32,162	11,725	1,692	1,005	-	4,612	21,725	390,129	349,369	40,760
17	Non-Grandfathered T51 Med Annual-Low Winter	17,290	26,090	30,860	28,670	21,660	13,600	4,380	1,830	3,730	-	2,930	4,140	155,180	138,170	17,010
18	Non-Grandfathered T41 Med Annual-High Winter	186,693	304,270	360,380	306,565	252,180	143,283	52,050	7,943	1,220	-	20,873	96,460	1,731,915	1,553,370	178,545
19	Non-Grandfathered T52 High Annual-Low Winter	-	-	-	-	-	-	-	-	585	-	477	365	1,427	-	1,427
20	Non-Grandfathered T42 High Annual-High Winter	81,361	134,965	160,595	136,257	111,165	61,521	19,705	-	7,055	-	5,591	40,005	758,220	685,864	72,356
22	TOTAL	3,545,043	5,837,905	8,937,315	5,906,710	4,817,005	2,695,093	962,330	146,303	175,490	21,860	389,361	1,780,250	33,214,664	29,739,070	3,475,594
24	Residential	1,311,212	2,142,135	2,538,655	2,158,430	1,773,935	1,004,382	363,005	49,822	34,445	-	141,632	678,455	12,198,109	10,928,749	1,267,360
25	SALES HLF CLASSES	379,985	599,185	709,145	627,758	497,065	295,665	97,315	27,615	14,095	7,800	52,955	171,470	3,480,053	3,108,802	371,251
26	SALES LLF CLASSES	1,514,553	2,543,195	3,033,375	2,560,451	2,088,015	1,135,243	410,810	56,875	113,355	14,010	158,925	761,430	14,390,237	12,874,833	1,515,404
27	Non-Grandfathered HLF CLASSES	29,306	45,640	54,020	48,412	37,870	22,836	7,720	2,356	4,315	50	4,773	10,705	268,002	238,083	29,918
28	Non-Grandfathered LLF CLASSES	309,988	507,750	602,120	511,662	420,120	236,966	83,480	9,635	9,280	-	31,076	158,190	2,880,264	2,588,603	291,661

Northern Utilities - NEW HAMPSHIRE DIVISION

Schedule JAF-8

Simplified Market Based Alloctor (SMBA) Calculations

COMMODITY COSTS

		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
1	**Supply Volumes - therms**															
2																
3	Total Pipeline	1,824,084	2,353,862	2,411,597	2,184,633	1,866,484	3,555,415	2,288,194	1,360,984	1,543,782	1,236,704	1,634,126	3,148,504	25,408,349	14,196,076	11,212,273
	Total Storage	2,810,275	4,161,783	4,931,827	4,293,016	3,560,516	351	0	0	0	0	0	0	19,757,767	19,757,767	0
4	Total Peaking	279,839	739,948	1,013,083	755,262	799,470	508,220	7,948	7,780	8,957	8,180	7,734	8,015	4,144,437	4,095,823	48,614
5	Subtotal	4,914,198	7,255,593	8,356,507	7,232,911	6,226,470	4,063,986	2,296,142	1,368,744	1,552,738	1,244,884	1,641,860	3,156,519	49,310,552	38,049,666	11,260,886
6	Less Interruptible	10,233	4,763	0	0	0	12,009	11,452	11,584	7,095	6,480	6,330	11,549	81,493	27,005	54,489
7	Less Company Use	23,040	31,900	36,650	32,230	28,280	19,740	12,870	9,310	8,820	8,840	10,290	16,350	238,320	171,840	66,480
8	Total Firm	4,880,925	7,218,930	8,319,857	7,200,681	6,198,190	4,032,238	2,271,820	1,347,850	1,536,824	1,229,564	1,625,240	3,128,620	48,990,739	37,850,821	11,139,918
9	Usage (Firm Sales)	4,832,610	7,147,450	8,237,450	7,129,320	6,138,800	3,992,350	2,249,340	1,334,500	1,521,610	1,217,390	1,609,130	3,097,650	48,505,600	37,475,980	11,029,620
10	Difference	48,315	71,480	82,407	71,361	61,390	39,888	22,480	13,350	15,214	12,174	16,110	30,970	485,139	374,841	110,298
11	Percent	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
12	Should be 1% or whatever Gresham built in for Loss & Unaccounted For															
13																
14	**Variable Costs**															
15																
16	Total Pipeline	$ 1,707,776	$ 2,345,486	$ 2,482,523	$ 2,249,549	$ 1,872,689	$ 3,279,013	$ 1,813,832	$ 1,065,377	$ 1,225,268	$ 998,433	$ 1,353,459	$ 2,873,481	$ 23,066,884	$ 13,937,035	$ 9,129,849
	Total Storage	$ 1,973,272	$ 2,928,033	$ 3,488,783	$ 3,024,180	$ 2,507,141	$ 290	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,921,699	$ 13,921,699	$ -
	Total Peaking	$ 191,260	$ 507,624	$ 780,989	$ 521,581	$ 544,175	$ 346,535	$ 6,859	$ 6,714	$ 7,730	$ 7,060	$ 6,674	$ 6,917	$ 2,934,119	$ 2,892,165	$ 41,955
18	Subtotal	$ 3,872,308	$ 5,781,142	$ 6,752,294	$ 5,795,310	$ 4,924,005	$ 3,625,839	$ 1,820,691	$ 1,072,091	$ 1,232,998	$ 1,005,493	$ 1,360,134	$ 2,880,398	$ 39,922,702	$ 30,750,898	$ 9,171,804
19	Total Interruptible Incl Above	$ 9,213	$ -	$ -	$ -	$ -	$ 11,633	$ 10,341	$ 4	$ -	$ 5,535	$ 6,035	$ 10,808	$ 53,570	$ 20,846	$ 32,724
	Hedging (Gain)/Loss	$0	$0	$0	$0	$0	$0							$ -	$ -	$ -
20	Total (Without Interr)	$ 3,863,095	$ 5,781,142	$ 8,752,294	$ 5,795,310	$ 4,924,005	$ 3,614,206	$ 1,810,350	$ 1,072,087	$ 1,232,998	$ 999,958	$ 1,354,098	$ 2,669,590	$ 39,869,132	$ 30,730,052	$ 9,139,080
21																
22																
23	**Supply Cost/Therm**	(Includes all variable costs, both supplier and transportation)														
24																
25	Total Pipeline	$0.936	$0.998	$1.029	$1.030	$1.003	$0.922	$0.793	$0.783	$0.794	$0.807	$0.828	$0.849	$0.908		
26	Total Storage	$0.702	$0.704	$0.707	$0.704	$0.704	$0.827	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.705		
27	Total Peaking	$0.683	$0.686	$0.771	$0.691	$0.681	$0.682	$0.863	$0.863	$0.863	$0.863	$0.863	$0.863	$0.708		
28	Subtotal	$0.788	$0.797	$0.808	$0.801	$0.791	$0.892	$0.793	$0.783	$0.794	$0.808	$0.828	$0.849	$0.810		
29	Interruptible	$0.900	$0.000	$0.000	$0.000	$0.000	$0.969	$0.903	$0.000	$0.000	$0.854	$0.953	$0.938	$0.657		
30	Total	$0.791	$0.801	$0.812	$0.805	$0.794	$0.898	$0.797	$0.795	$0.802	$0.813	$0.833	$0.853	$0.814		
31																
32																
33	**Commodity Costs**															
34																
35	Pipeline Average Cost	$ 0.936	$ 0.996	$ 1.029	$ 1.030	$ 1.003	$ 0.922	$ 0.793	$ 0.783	$ 0.794	$ 0.807	$ 0.828	$ 0.849	$ 0.908	$ 0.982	$ 0.814
36	Base Commodity, therms	1,335,877	1,381,015	1,382,505	1,293,950	1,381,175	1,337,127	1,309,490	1,201,547	1,361,340	1,207,710	1,235,879	1,348,370	15,775,986	8,111,650	7,664,336
37																
38	Base Commodity Cost	$ 1,250,699	$ 1,376,101	$ 1,423,165	$ 1,332,399	$ 1,385,767	$ 1,233,177	$ 1,038,022	$ 940,584	$ 1,080,468	$ 975,026	$ 1,023,612	$ 1,144,938	$ 14,203,956	$ 8,001,307	$ 6,202,649
39																
40	Remaining Commodity	$ 2,612,398	$ 4,405,042	$ 5,329,129	$ 4,462,911	$ 3,538,238	$ 2,381,028	$ 772,328	$ 131,503	$ 152,530	$ 24,932	$ 330,486	$ 1,524,652	$ 25,665,177	$ 22,728,745	$ 2,936,431
41																
42	Total Commodity	$ 3,863,095	$ 5,781,142	$ 6,752,294	$ 5,795,310	$ 4,924,005	$ 3,614,206	$ 1,810,350	$ 1,072,087	$ 1,232,998	$ 999,958	$ 1,354,098	$ 2,669,590	$ 39,869,132	$ 30,730,052	$ 9,139,080

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
DEMAND COSTS

Schedule JAF-9

DEVELOPMENT OF BASE AND REMAINING DEMAND COSTS:

	MDQ	Total Costs	Unit Cost
Pipeline & Product Demand	31,851	$4,832,973	$ 151.74
Less: Base Use	4,462	$677,033	
Remaining Pipeline Use	27,389	$4,155,941	

BASE DEMAND COSTS ALLOCATED BY MONTH:

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	Winter	Summer
BASE DEMAND COSTS	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$677,033	$338,516	$338,516

DETAIL OF TOTAL REMAINING DEMAND COSTS:

Pipeline - Base	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$677,033	$338,516	$338,516
Pipeline - Remaining	$329,937	$724,299	$1,362,314	$744,909	$520,435	$228,101	$66,759	$7,869	$9,617	$1,091	$23,853	$136,758	$4,155,941	$3,909,994	$245,947
Storage & Peaking	$678,466	$1,489,415	$2,801,398	$1,531,795	$1,070,199	$469,055	$137,280	$16,181	$19,776	$2,244	$49,050	$281,223	$8,546,082	$8,040,327	$505,754
TOTAL	$1,064,822	$2,270,133	$4,220,131	$2,333,123	$1,647,054	$753,575	$260,459	$80,469	$85,813	$59,755	$129,323	$474,400	$13,379,055	$12,288,837	$1,090,218

Less: Capacity Release	$0
Total for Working Capital	$13,379,055
Demand Cost Deducts	
Interuptible Margins	$0
Off System Sales Margins	$0
Other	$0
TOTAL DEDUCTS	$0
Grand Total - Capacity	**$13,379,055**

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
Base Costs

Schedule JAF-10

BASE DEMAND COSTS BY CLASS

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
	30	31	31	29	31	30	31	30	31	31	30	31	366	182	184
Res Heat	$ 14,024	$ 14,018	$ 14,003	$ 13,996	$ 14,016	$ 14,011	$ 14,784	$ 15,592	$ 14,221	$ 14,537	$ 15,159	$ 14,357	$ 172,719	$ 84,069	$ 88,650
Res General	$ 784	$ 783	$ 783	$ 782	$ 783	$ 783	$ 826	$ 871	$ 795	$ 780	$ 847	$ 802	$ 9,619	$ 4,698	$ 4,921
G50 Low Annual-Low Winter	$ 5,912	$ 5,909	$ 5,903	$ 5,900	$ 5,909	$ 5,906	$ 6,232	$ 6,573	$ 5,995	$ 6,593	$ 6,390	$ 5,965	$ 73,187	$ 35,439	$ 37,748
G40 Low Annual-High Winter	$ 3,933	$ 3,932	$ 3,928	$ 3,926	$ 3,931	$ 3,930	$ 4,147	$ 4,373	$ 3,989	$ 4,034	$ 4,252	$ 4,027	$ 48,401	$ 23,579	$ 24,821
G51 Med Annual-Low Winter	$ 10,103	$ 10,099	$ 10,088	$ 10,083	$ 10,098	$ 10,094	$ 10,651	$ 11,233	$ 10,245	$ 11,053	$ 10,921	$ 10,344	$ 125,012	$ 60,566	$ 64,446
G41 Med Annual-High Winter	$ 5,144	$ 5,142	$ 5,136	$ 5,134	$ 5,141	$ 5,139	$ 5,423	$ 5,719	$ 4,636	$ 5,880	$ 5,560	$ 5,266	$ 63,320	$ 30,836	$ 32,484
G52 High Annual-Low Winter	$ 3,333	$ 3,331	$ 3,328	$ 3,326	$ 3,331	$ 3,330	$ 3,513	$ 3,705	$ 3,056	$ 3,809	$ 3,602	$ 3,412	$ 41,076	$ 19,978	$ 21,098
G42 High Annual-High Winter	$ 7,404	$ 7,401	$ 7,393	$ 7,389	$ 7,400	$ 7,397	$ 4,780	$ 1,911	$ 7,508	$ 3,629	$ 3,315	$ 6,210	$ 71,736	$ 44,384	$ 27,352
Non-Grandfathered T50 Low Annual-Low Winter	$ 159	$ 159	$ 159	$ 159	$ 159	$ 159	$ 168	$ 177	$ 160	$ 182	$ 172	$ 163	$ 1,978	$ 956	$ 1,022
Non-Grandfathered T40 Low Annual-High Winter	$ 351	$ 351	$ 351	$ 351	$ 351	$ 351	$ 370	$ 391	$ 356	$ 355	$ 380	$ 360	$ 4,317	$ 2,106	$ 2,211
Non-Grandfathered T51 Med Annual-Low Winter	$ 1,685	$ 1,684	$ 1,683	$ 1,682	$ 1,684	$ 1,684	$ 1,776	$ 1,874	$ 1,709	$ 1,752	$ 1,821	$ 1,725	$ 20,759	$ 10,102	$ 10,657
Non-Grandfathered T41 Med Annual-High Winter	$ 2,081	$ 2,080	$ 2,078	$ 2,077	$ 2,080	$ 2,079	$ 2,194	$ 2,314	$ 2,110	$ 2,322	$ 2,250	$ 2,131	$ 25,796	$ 12,476	$ 13,320
Non-Grandfathered T52 High Annual-Low Winter	$ 395	$ 420	$ 480	$ 508	$ 426	$ 447	$ 386	$ 468	$ 516	$ 555	$ 550	$ 521	$ 5,671	$ 2,675	$ 2,996
Non-Grandfathered T42 High Annual-High Winter	$ 1,110	$ 1,109	$ 1,108	$ 1,108	$ 1,109	$ 1,109	$ 1,170	$ 1,219	$ 1,125	$ 939	$ 1,200	$ 1,136	$ 13,442	$ 6,653	$ 6,789
TOTAL	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 677,033	$ 338,516	$ 338,516
Residential	$ 14,808	$ 14,801	$ 14,785	$ 14,778	$ 14,800	$ 14,794	$ 15,610	$ 16,463	$ 15,015	$ 15,316	$ 16,006	$ 15,160	$ 182,338	$ 88,767	$ 93,571
SALES HLF CLASSES	$ 19,348	$ 19,339	$ 19,319	$ 19,309	$ 19,337	$ 19,330	$ 20,396	$ 21,511	$ 19,296	$ 21,456	$ 20,913	$ 19,720	$ 239,275	$ 115,982	$ 123,292
SALES LLF CLASSES	$ 16,482	$ 16,474	$ 16,457	$ 16,449	$ 16,472	$ 16,466	$ 14,349	$ 12,003	$ 16,132	$ 13,543	$ 13,127	$ 15,504	$ 183,457	$ 98,800	$ 84,657
Non-Grandfathered HLF CLASSES	$ 2,239	$ 2,263	$ 2,322	$ 2,348	$ 2,270	$ 2,290	$ 2,330	$ 2,518	$ 2,384	$ 2,489	$ 2,544	$ 2,410	$ 28,408	$ 13,732	$ 14,675
Non-Grandfathered LLF CLASSES	$ 3,542	$ 3,541	$ 3,537	$ 3,535	$ 3,540	$ 3,539	$ 3,734	$ 3,923	$ 3,592	$ 3,615	$ 3,829	$ 3,627	$ 43,555	$ 21,235	$ 22,320

BASE COMMODITY COSTS BY CLASS

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
Res Heat	$ 310,888	$ 341,909	$ 353,222	$ 330,531	$ 344,271	$ 306,246	$ 271,996	$ 259,941	$ 272,335	$ 251,218	$ 275,028	$ 291,361	$ 3,608,947	$ 1,987,067	$ 1,621,880
Res General	$ 17,373	$ 19,107	$ 19,739	$ 18,471	$ 19,239	$ 17,114	$ 15,200	$ 14,526	$ 15,219	$ 13,474	$ 15,369	$ 16,282	$ 201,113	$ 111,042	$ 90,071
G50 Low Annual-Low Winter	$ 131,054	$ 144,130	$ 148,899	$ 139,334	$ 145,126	$ 129,097	$ 114,659	$ 109,577	$ 114,802	$ 113,947	$ 115,937	$ 121,043	$ 1,527,605	$ 837,640	$ 689,965
G40 Low Annual-High Winter	$ 87,197	$ 95,898	$ 99,070	$ 92,706	$ 96,560	$ 85,895	$ 76,289	$ 72,907	$ 76,384	$ 69,721	$ 77,139	$ 81,720	$ 1,011,486	$ 557,326	$ 454,160
G51 Med Annual-Low Winter	$ 223,972	$ 246,320	$ 254,470	$ 238,123	$ 248,022	$ 220,628	$ 195,953	$ 187,268	$ 196,198	$ 191,023	$ 198,138	$ 209,904	$ 2,610,021	$ 1,431,536	$ 1,178,485
G41 Med Annual-High Winter	$ 114,034	$ 125,412	$ 129,562	$ 121,239	$ 126,278	$ 112,331	$ 99,768	$ 95,346	$ 88,773	$ 101,611	$ 100,880	$ 106,871	$ 1,322,106	$ 728,856	$ 593,250
G52 High Annual-Low Winter	$ 73,878	$ 81,250	$ 83,938	$ 78,546	$ 81,811	$ 72,775	$ 64,636	$ 61,771	$ 58,526	$ 65,830	$ 65,357	$ 69,238	$ 857,556	$ 472,198	$ 385,358
G42 High Annual-High Winter	$ 164,133	$ 180,510	$ 186,483	$ 174,503	$ 181,757	$ 161,682	$ 87,941	$ 31,853	$ 143,779	$ 62,714	$ 60,139	$ 126,027	$ 1,561,522	$ 1,049,069	$ 512,453
Non-Grandfathered T50 Low Annual-Low Winter	$ 3,534	$ 3,886	$ 4,015	$ 3,757	$ 3,913	$ 3,481	$ 3,091	$ 2,954	$ 3,056	$ 3,149	$ 3,126	$ 3,312	$ 41,273	$ 22,585	$ 18,688
Non-Grandfathered T40 Low Annual-High Winter	$ 7,787	$ 8,564	$ 8,848	$ 8,279	$ 8,624	$ 7,671	$ 6,813	$ 6,511	$ 6,822	$ 6,128	$ 6,889	$ 7,298	$ 90,235	$ 49,774	$ 40,461
Non-Grandfathered T51 Med Annual-Low Winter	$ 37,356	$ 41,083	$ 42,443	$ 39,716	$ 41,367	$ 36,798	$ 32,683	$ 31,234	$ 32,723	$ 30,275	$ 33,047	$ 35,010	$ 433,735	$ 238,763	$ 194,972
Non-Grandfathered T41 Med Annual-High Winter	$ 46,135	$ 50,739	$ 52,418	$ 49,050	$ 51,089	$ 45,447	$ 40,364	$ 38,575	$ 40,414	$ 40,125	$ 40,814	$ 43,238	$ 538,407	$ 294,878	$ 243,529
Non-Grandfathered T52 High Annual-Low Winter	$ 8,754	$ 10,233	$ 12,106	$ 11,986	$ 10,465	$ 9,776	$ 7,103	$ 7,797	$ 9,885	$ 9,583	$ 9,983	$ 10,576	$ 118,246	$ 63,320	$ 54,927
Non-Grandfathered T42 High Annual-High Winter	$ 24,603	$ 27,058	$ 27,954	$ 26,158	$ 27,245	$ 24,236	$ 21,526	$ 20,322	$ 21,552	$ 16,227	$ 21,766	$ 23,058	$ 281,705	$ 157,255	$ 124,451
TOTAL	$ 1,250,699	$ 1,376,101	$ 1,423,165	$ 1,332,399	$ 1,385,767	$ 1,233,177	$ 1,038,022	$ 940,584	$ 1,080,468	$ 975,026	$ 1,023,612	$ 1,144,938	$ 14,203,956	$ 8,001,307	$ 6,202,649
Residential	$ 328,262	$ 361,016	$ 372,960	$ 349,002	$ 363,509	$ 323,360	$ 287,196	$ 274,467	$ 287,554	$ 264,693	$ 290,398	$ 307,643	$ 3,810,060	$ 2,098,109	$ 1,711,951
SALES HLF CLASSES	$ 428,904	$ 471,700	$ 487,307	$ 456,003	$ 474,959	$ 422,500	$ 375,248	$ 358,617	$ 369,525	$ 370,801	$ 379,432	$ 400,185	$ 4,995,181	$ 2,741,374	$ 2,253,808
SALES LLF CLASSES	$ 365,364	$ 401,820	$ 415,115	$ 388,448	$ 404,596	$ 359,908	$ 263,998	$ 200,106	$ 308,936	$ 234,046	$ 238,158	$ 314,619	$ 3,895,114	$ 2,335,251	$ 1,559,863
Non-Grandfathered HLF CLASSES	$ 49,643	$ 55,203	$ 58,563	$ 55,459	$ 55,745	$ 50,055	$ 42,877	$ 41,985	$ 45,664	$ 43,007	$ 46,156	$ 48,897	$ 593,254	$ 324,668	$ 268,586
Non-Grandfathered LLF CLASSES	$ 78,526	$ 86,362	$ 89,219	$ 83,488	$ 86,958	$ 77,354	$ 68,703	$ 65,408	$ 68,788	$ 62,480	$ 69,468	$ 73,594	$ 910,347	$ 501,906	$ 408,441

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
Base Costs

Schedule JAF-10

BASE TOTAL COSTS BY CLASS

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
Res Heat	$ 324,913	$ 355,927	$ 367,225	$ 344,527	$ 358,287	$ 320,258	$ 286,780	$ 275,533	$ 286,556	$ 265,755	$ 290,187	$ 305,719	$ 3,781,666	$ 2,071,136	$ 1,710,530
Res General	$ 18,157	$ 19,890	$ 20,521	$ 19,253	$ 20,022	$ 17,897	$ 16,026	$ 15,398	$ 16,013	$ 14,254	$ 16,216	$ 17,084	$ 210,732	$ 115,740	$ 94,992
G50 Low Annual-Low Winter	$ 136,965	$ 150,040	$ 154,802	$ 145,234	$ 151,034	$ 135,003	$ 120,891	$ 116,150	$ 120,796	$ 120,541	$ 122,327	$ 127,008	$ 1,600,791	$ 873,078	$ 727,713
G40 Low Annual-High Winter	$ 91,130	$ 99,829	$ 102,998	$ 96,632	$ 100,491	$ 89,825	$ 80,435	$ 77,281	$ 80,372	$ 73,756	$ 81,391	$ 85,747	$ 1,059,887	$ 580,905	$ 478,982
G51 Med Annual-Low Winter	$ 234,076	$ 256,419	$ 264,558	$ 248,206	$ 258,120	$ 230,722	$ 206,604	$ 198,501	$ 206,443	$ 202,077	$ 209,059	$ 220,248	$ 2,735,033	$ 1,492,101	$ 1,242,931
G41 Med Annual-High Winter	$ 119,178	$ 130,554	$ 134,698	$ 126,372	$ 131,420	$ 117,470	$ 105,191	$ 101,066	$ 93,409	$ 107,491	$ 106,441	$ 112,137	$ 1,385,426	$ 759,692	$ 625,734
G52 High Annual-Low Winter	$ 77,211	$ 84,581	$ 87,266	$ 81,872	$ 85,142	$ 76,105	$ 68,149	$ 65,477	$ 61,582	$ 69,639	$ 68,959	$ 72,650	$ 898,632	$ 492,176	$ 406,456
G42 High Annual-High Winter	$ 171,537	$ 187,911	$ 193,876	$ 181,892	$ 189,157	$ 169,080	$ 92,721	$ 33,763	$ 151,287	$ 66,343	$ 63,454	$ 132,238	$ 1,633,258	$ 1,093,453	$ 539,805
Non-Grandfathered T50 Low Annual-Low Winter	$ 3,693	$ 4,045	$ 4,174	$ 3,916	$ 4,072	$ 3,640	$ 3,260	$ 3,132	$ 3,215	$ 3,331	$ 3,298	$ 3,475	$ 43,251	$ 23,540	$ 19,710
Non-Grandfathered T40 Low Annual-High Winter	$ 8,139	$ 8,916	$ 9,199	$ 8,630	$ 8,975	$ 8,022	$ 7,183	$ 6,902	$ 7,178	$ 6,482	$ 7,269	$ 7,658	$ 94,552	$ 51,879	$ 42,672
Non-Grandfathered T51 Med Annual-Low Winter	$ 39,041	$ 42,768	$ 44,125	$ 41,398	$ 43,051	$ 38,482	$ 34,459	$ 33,108	$ 34,432	$ 32,027	$ 34,869	$ 36,735	$ 454,494	$ 248,865	$ 205,629
Non-Grandfathered T41 Med Annual-High Winter	$ 48,217	$ 52,819	$ 54,496	$ 51,127	$ 53,169	$ 47,526	$ 42,558	$ 40,889	$ 42,524	$ 42,446	$ 43,063	$ 45,368	$ 564,202	$ 307,354	$ 256,849
Non-Grandfathered T52 High Annual-Low Winter	$ 9,149	$ 10,653	$ 12,586	$ 12,493	$ 10,891	$ 10,223	$ 7,489	$ 8,264	$ 10,401	$ 10,138	$ 10,533	$ 11,097	$ 123,917	$ 65,995	$ 57,922
Non-Grandfathered T42 High Annual-High Winter	$ 25,713	$ 28,168	$ 29,062	$ 27,266	$ 28,355	$ 25,345	$ 22,696	$ 21,541	$ 22,678	$ 17,166	$ 22,965	$ 24,194	$ 295,148	$ 163,908	$ 131,240
TOTAL	$ 1,307,118	$ 1,432,520	$ 1,479,584	$ 1,388,818	$ 1,442,186	$ 1,289,597	$ 1,094,441	$ 997,003	$ 1,136,887	$ 1,031,445	$ 1,080,032	$ 1,201,357	$ 14,880,988	$ 8,339,823	$ 6,541,165
Residential	$ 343,069	$ 375,817	$ 387,746	$ 363,780	$ 378,309	$ 338,154	$ 302,806	$ 290,931	$ 302,569	$ 280,009	$ 306,404	$ 322,803	$ 3,992,398	$ 2,186,876	$ 1,805,522
SALES HLF CLASSES	$ 448,252	$ 491,040	$ 506,626	$ 475,312	$ 494,296	$ 441,830	$ 395,644	$ 380,128	$ 388,821	$ 392,257	$ 400,345	$ 419,905	$ 5,234,456	$ 2,857,356	$ 2,377,100
SALES LLF CLASSES	$ 381,845	$ 418,294	$ 431,571	$ 404,897	$ 421,068	$ 376,375	$ 278,347	$ 212,109	$ 325,068	$ 247,589	$ 251,285	$ 330,122	$ 4,078,571	$ 2,434,051	$ 1,644,521
Non-Grandfathered HLF CLASSES	$ 51,883	$ 57,466	$ 60,885	$ 57,807	$ 58,014	$ 52,345	$ 45,207	$ 44,504	$ 48,049	$ 45,495	$ 48,700	$ 51,307	$ 621,662	$ 338,400	$ 283,262
Non-Grandfathered LLF CLASSES	$ 82,069	$ 89,902	$ 92,756	$ 87,023	$ 90,498	$ 80,893	$ 72,437	$ 69,331	$ 72,380	$ 66,095	$ 73,297	$ 77,220	$ 953,902	$ 523,141	$ 430,761

BASE COMMODITY COSTS INCLUDING INTERRUPTIBLE BY CLASS

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
Res Heat	$ 310,888	$ 341,909	$ 353,222	$ 330,531	$ 344,271	$ 306,246	$ 274,706	$ 259,942	$ 272,335	$ 252,644	$ 276,650	$ 294,111	$ 3,617,456	$ 1,987,067	$ 1,630,389
Res General	$ 17,373	$ 19,107	$ 19,739	$ 18,471	$ 19,239	$ 17,114	$ 15,351	$ 14,526	$ 15,219	$ 13,551	$ 15,460	$ 16,436	$ 201,585	$ 111,042	$ 90,543
G50 Low Annual-Low Winter	$ 131,054	$ 144,130	$ 148,899	$ 139,334	$ 145,126	$ 129,097	$ 115,801	$ 109,578	$ 114,802	$ 114,594	$ 116,621	$ 122,186	$ 1,531,220	$ 837,640	$ 693,581
G40 Low Annual-High Winter	$ 87,197	$ 95,898	$ 99,070	$ 92,706	$ 96,560	$ 85,895	$ 77,049	$ 72,908	$ 76,384	$ 70,117	$ 77,594	$ 82,491	$ 1,013,869	$ 557,326	$ 456,543
G51 Med Annual-Low Winter	$ 223,972	$ 246,320	$ 254,470	$ 238,123	$ 248,022	$ 220,628	$ 197,906	$ 187,269	$ 196,198	$ 192,108	$ 199,306	$ 211,886	$ 2,616,208	$ 1,431,536	$ 1,184,672
G41 Med Annual-High Winter	$ 114,034	$ 125,412	$ 129,562	$ 121,239	$ 126,278	$ 112,331	$ 100,762	$ 95,347	$ 88,773	$ 102,188	$ 101,475	$ 107,880	$ 1,325,281	$ 728,856	$ 596,425
G52 High Annual-Low Winter	$ 73,878	$ 81,250	$ 83,938	$ 78,546	$ 81,811	$ 72,775	$ 65,280	$ 61,772	$ 58,526	$ 66,204	$ 65,742	$ 69,891	$ 859,613	$ 472,198	$ 387,415
G42 High Annual-High Winter	$ 164,133	$ 180,510	$ 186,483	$ 174,503	$ 181,757	$ 161,682	$ 88,817	$ 31,853	$ 143,779	$ 63,070	$ 60,494	$ 127,217	$ 1,564,298	$ 1,049,069	$ 515,229
Non-Grandfathered T50 Low Annual-Low Winter	$ 3,534	$ 3,886	$ 4,015	$ 3,757	$ 3,913	$ 3,481	$ 3,122	$ 2,954	$ 3,056	$ 3,166	$ 3,144	$ 3,343	$ 41,371	$ 22,585	$ 18,786
Non-Grandfathered T40 Low Annual-High Winter	$ 7,787	$ 8,564	$ 8,848	$ 8,279	$ 8,624	$ 7,671	$ 6,881	$ 6,511	$ 6,822	$ 6,162	$ 6,930	$ 7,367	$ 90,447	$ 49,774	$ 40,673
Non-Grandfathered T51 Med Annual-Low Winter	$ 37,356	$ 41,083	$ 42,443	$ 39,716	$ 41,367	$ 36,798	$ 33,008	$ 31,234	$ 32,723	$ 30,447	$ 33,242	$ 35,340	$ 434,758	$ 238,763	$ 195,995
Non-Grandfathered T41 Med Annual-High Winter	$ 46,135	$ 50,739	$ 52,418	$ 49,050	$ 51,089	$ 45,447	$ 40,766	$ 38,575	$ 40,414	$ 40,352	$ 41,054	$ 43,646	$ 539,686	$ 294,878	$ 244,808
Non-Grandfathered T52 High Annual-Low Winter	$ 8,754	$ 10,233	$ 12,106	$ 11,986	$ 10,465	$ 9,776	$ 7,173	$ 7,797	$ 9,885	$ 9,637	$ 10,042	$ 10,676	$ 118,530	$ 63,320	$ 55,210
Non-Grandfathered T42 High Annual-High Winter	$ 24,603	$ 27,058	$ 27,954	$ 26,158	$ 27,245	$ 24,236	$ 21,740	$ 20,322	$ 21,552	$ 16,320	$ 21,894	$ 23,276	$ 282,358	$ 157,255	$ 125,103
TOTAL	$ 1,250,699	$ 1,376,101	$ 1,423,165	$ 1,332,399	$ 1,385,767	$ 1,233,177	$ 1,048,363	$ 940,588	$ 1,080,468	$ 980,561	$ 1,029,648	$ 1,155,746	$ 14,236,680	$ 8,001,307	$ 6,235,373
SALES HLF CLASSES	$ 446,277	$ 490,807	$ 507,046	$ 474,474	$ 494,197	$ 439,614	$ 394,338	$ 373,145	$ 384,744	$ 386,456	$ 397,129	$ 420,399	$ 5,208,627	$ 2,852,416	$ 2,356,210
SALES LLF CLASSES	$ 676,252	$ 743,729	$ 768,336	$ 718,979	$ 748,866	$ 666,155	$ 541,334	$ 460,049	$ 581,271	$ 488,019	$ 516,213	$ 611,700	$ 7,520,904	$ 4,322,317	$ 3,198,587
Non-Grandfathered HLF CLASSES	$ 49,643	$ 55,203	$ 58,563	$ 55,459	$ 55,745	$ 50,055	$ 43,304	$ 41,986	$ 45,664	$ 43,251	$ 46,428	$ 49,359	$ 594,659	$ 324,668	$ 269,991
Non-Grandfathered LLF CLASSES	$ 78,526	$ 86,362	$ 89,219	$ 83,488	$ 86,958	$ 77,354	$ 69,387	$ 65,408	$ 68,788	$ 62,834	$ 69,878	$ 74,289	$ 912,490	$ 501,906	$ 410,584

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
Base Costs

Schedule JAF-10

BASE INTERRUPTIBLE COMMODITY COSTS BY CLASS

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
Res Heat	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,710	$ 1	$ -	$ 1,426	$ 1,622	$ 2,750	$ 8,509	$ -	$ 8,509
Res General	$ -	$ -	$ -	$ -	$ -	$ -	$ 151	$ 0	$ -	$ 76	$ 91	$ 154	$ 472	$ -	$ 472
G50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,142	$ 0	$ -	$ 647	$ 684	$ 1,143	$ 3,616	$ -	$ 3,616
G40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 760	$ 0	$ -	$ 396	$ 455	$ 771	$ 2,382	$ -	$ 2,382
G51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,952	$ 1	$ -	$ 1,084	$ 1,168	$ 1,981	$ 6,187	$ -	$ 6,187
G41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 994	$ 0	$ -	$ 577	$ 595	$ 1,009	$ 3,175	$ -	$ 3,175
G52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 644	$ 0	$ -	$ 374	$ 385	$ 654	$ 2,057	$ -	$ 2,057
G42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 876	$ 0	$ -	$ 356	$ 355	$ 1,190	$ 2,777	$ -	$ 2,777
Non-Grandfathered T50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 31	$ 0	$ -	$ 18	$ 18	$ 31	$ 98	$ -	$ 98
Non-Grandfathered T40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 68	$ 0	$ -	$ 35	$ 41	$ 69	$ 212	$ -	$ 212
Non-Grandfathered T51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 326	$ 0	$ -	$ 172	$ 195	$ 330	$ 1,023	$ -	$ 1,023
Non-Grandfathered T41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 402	$ 0	$ -	$ 228	$ 241	$ 408	$ 1,279	$ -	$ 1,279
Non-Grandfathered T52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 71	$ 0	$ -	$ 54	$ 59	$ 100	$ 284	$ -	$ 284
Non-Grandfathered T42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 214	$ 0	$ -	$ 92	$ 128	$ 218	$ 653	$ -	$ 653
TOTAL							$ 10,341	$ 4	$ -	$ 5,535	$ 6,035	$ 10,808	$ 32,724	$ -	$ 32,724
SALES HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,890	$ 2	$ -	$ 2,182	$ 2,328	$ 3,931	$ 12,332	$ -	$ 12,332
SALES LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,340	$ 2	$ -	$ 2,755	$ 3,026	$ 5,720	$ 16,843	$ -	$ 16,843
Non-Grandfathered HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ 427	$ 0	$ -	$ 244	$ 272	$ 462	$ 1,405	$ -	$ 1,405
Non-Grandfathered LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ 684	$ 0	$ -	$ 355	$ 410	$ 695	$ 2,144	$ -	$ 2,144

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
REMAINING COSTS

Schedule JAF-11

Annual Allocation (by class) of Remaining Demand by Component

	Allocated Pipeline Demand	Allocated Storage & Peaking Demand	Allocated Capacity Release Demand	Allocated Interruptible Margins	Allocated Off System Sales Credits	Allocated A&G	Allocated Net Remaining Demand
Res Heat	$ 1,564,100	$ 3,216,342	$ -	$ -	$ -	$ -	**$ 4,780,441**
Res General	$ 8,468	$ 17,413	$ -	$ -	$ -	$ -	**$ 25,881**
G50 Low Annual-Low Winter	$ 27,401	$ 56,346	$ -	$ -	$ -	$ -	**$ 83,747**
G40 Low Annual-High Winter	$ 877,554	$ 1,804,562	$ -	$ -	$ -	$ -	**$ 2,682,116**
G51 Med Annual-Low Winter	$ 142,917	$ 293,688	$ -	$ -	$ -	$ -	**$ 436,805**
G41 Med Annual-High Winter	$ 867,648	$ 1,784,192	$ -	$ -	$ -	$ -	**$ 2,651,840**
G52 High Annual-Low Winter	$ 91,870	$ 188,916	$ -	$ -	$ -	$ -	**$ 280,786**
G42 High Annual-High Winter	$ 286,314	$ 588,762	$ -	$ -	$ -	$ -	**$ 875,075**
Non-Grandfathered T50 Low Annual-Low Winter	$ 4,234	$ 8,707	$ -	$ -	$ -	$ -	**$ 12,941**
Non-Grandfathered T40 Low Annual-High Winter	$ 22,528	$ 46,326	$ -	$ -	$ -	$ -	**$ 68,854**
Non-Grandfathered T51 Med Annual-Low Winter	$ 25,244	$ 51,911	$ -	$ -	$ -	$ -	**$ 77,155**
Non-Grandfathered T41 Med Annual-High Winter	$ 187,094	$ 384,732	$ -	$ -	$ -	$ -	**$ 571,827**
Non-Grandfathered T52 High Annual-Low Winter	$ 2,397	$ 4,928	$ -	$ -	$ -	$ -	**$ 7,325**
Non-Grandfathered T42 High Annual-High Winter	$ 48,172	$ 99,058	$ -	$ -	$ -	$ -	**$ 147,229**
TOTAL	$ 4,155,941	$ 8,546,082	$ -	$ -	$ -	$ -	**$ 12,702,023**
Residential	$ 1,572,568	$ 3,233,755	$ -	$ -	$ -	$ -	$ 4,806,323 $ - $ -
SALES HLF CLASSES	$ 262,188	$ 539,151	$ -	$ -	$ -	$ -	$ 801,339 $ - $ -
SALES LLF CLASSES	$ 2,031,516	$ 4,177,515	$ -	$ -	$ -	$ -	$ 6,209,031 $ - $ -
Non-Grandfathered HLF CLASSES	$ 31,875	$ 65,546	$ -	$ -	$ -	$ -	$ 97,421 $ - $ -
Non-Grandfathered LLF CLASSES	$ 257,794	$ 530,116	$ -	$ -	$ -	$ -	$ 787,910 $ - $ -

Proportional Responsibility (PR) Allocator

	Remaining Load	Rank	%WINTER	PR	CumPR		Remaining Load No Off Peak	Rank	%WINTER	PR	CumPR
NOV	3,545,043	5	51.10%	2.450%	7.939%		3,545,043	5	51.10%	2.450%	8.925%
DEC	5,837,905	3	84.15%	4.905%	17.428%		5,837,905	3	84.15%	4.905%	18.414%
JAN	6,937,315	1	100.00%	14.856%	32.780%		6,937,315	1	100.00%	14.856%	33.766%
FEB	5,906,710	2	85.14%	0.496%	17.924%		5,906,710	2	85.14%	0.496%	18.910%
MAR	4,817,005	4	69.44%	4.584%	12.523%		4,817,005	4	69.44%	4.584%	13.509%
APR	2,695,093	6	38.85%	2.198%	5.489%	94.082%	2,695,093	6	38.85%	6.475%	6.475%
MAY	962,330	8	13.87%	1.032%	1.606%						
JUN	146,303	11	2.11%	0.163%	0.189%						
JUL	175,490	10	2.53%	0.042%	0.231%						
AUG	21,860	12	0.32%	0.026%	0.026%						
SEP	389,361	9	5.61%	0.343%	0.574%						
OCT	1,780,250	7	25.66%	1.684%	3.291%	5.918%					
TOTAL	33,214,664			32.780%	100.000%		29,739,070				100.000%

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
REMAINING COSTS

Schedule JAF-11

REMAINING COMMODITY COSTS BY CLASS (From Commodity tab) (Allocate to classes based on Remaining Sendout)

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
TOT REMAINING COMMODITY	$2,612,396	$ 4,405,042	$ 5,329,129	$ 4,462,911	$ 3,538,238	$ 2,381,028	$ 772,328	$ 131,503	$ 152,530	$ 24,932	$ 330,486	$ 1,524,652	$ 25,665,177	$ 22,728,745	$ 2,936,431
Res Heat	$ 959,293	$ 1,605,354	$ 1,936,859	$ 1,618,912	$ 1,294,140	$ 880,852	$ 289,427	$ 44,087	$ 24,702	$ 4,038	$ 119,025	$ 577,162	$ 9,353,851	$ 8,295,411	$ 1,058,441
Res General	$ 6,959	$ 11,013	$ 13,293	$ 11,924	$ 8,869	$ 6,488	$ 1,906	$ 695	$ 1,921	$ 314	$ 1,191	$ 3,884	$ 68,458	$ 58,547	$ 9,911
G50 Low Annual-Low Winter	$ 20,141	$ 28,594	$ 34,334	$ 35,592	$ 23,200	$ 20,188	$ 1,288	$ 4,882	$ 2,709	$ 443	$ 5,934	$ -	$ 177,305	$ 162,049	$ 15,255
G40 Low Annual-High Winter	$ 536,957	$ 900,558	$ 1,085,973	$ 903,483	$ 726,458	$ 493,209	$ 163,939	$ 25,010	$ 7,636	$ 1,248	$ 66,685	$ 324,260	$ 5,235,416	$ 4,646,638	$ 588,778
G51 Med Annual-Low Winter	$ 82,980	$ 129,022	$ 155,334	$ 140,821	$ 104,296	$ 78,129	$ 23,250	$ 10,313	$ 8,185	$ 1,338	$ 15,850	$ 40,911	$ 790,431	$ 690,582	$ 99,848
G41 Med Annual-High Winter	$ 543,748	$ 910,699	$ 1,098,179	$ 915,044	$ 734,670	$ 499,672	$ 165,761	$ 26,111	$ 10,828	$ 1,770	$ 68,209	$ 327,848	$ 5,302,540	$ 4,702,013	$ 600,528
G52 High Annual-Low Winter	$ 176,897	$ 294,504	$ 355,085	$ 297,898	$ 237,613	$ 162,894	$ 53,563	$ 9,627	$ 6,029	$ 985	$ 23,164	$ 105,940	$ 1,724,199	$ 1,524,891	$ 199,307
G42 High Annual-High Winter	$ 35,393	$ 107,732	$ 146,035	$ 116,064	$ 72,583	$ 10,070	$ -	$ -	$ 79,975	$ 13,072	$ -	$ -	$ 580,925	$ 487,878	$ 93,047
Non-Grandfathered T50 Low Annual-Low Winter	$ 8,855	$ 14,752	$ 17,791	$ 14,916	$ 11,907	$ 8,160	$ 2,681	$ 473	$ 39	$ 6	$ 1,159	$ 5,310	$ 86,047	$ 76,380	$ 9,667
Non-Grandfathered T40 Low Annual-High Winter	$ 30,901	$ 51,699	$ 62,334	$ 52,013	$ 41,703	$ 28,414	$ 9,410	$ 1,521	$ 777	$ 127	$ 3,915	$ 18,606	$ 301,419	$ 267,063	$ 34,356
Non-Grandfathered T51 Med Annual-Low Winter	$ 12,741	$ 19,686	$ 23,706	$ 21,662	$ 15,910	$ 12,015	$ 3,515	$ 1,645	$ 2,883	$ 471	$ 2,487	$ 3,546	$ 120,268	$ 105,721	$ 14,547
Non-Grandfathered T41 Med Annual-High Winter	$ 137,577	$ 229,590	$ 276,838	$ 231,630	$ 185,234	$ 126,586	$ 41,773	$ 7,139	$ 943	$ 154	$ 17,716	$ 82,611	$ 1,337,791	$ 1,187,454	$ 150,337
Non-Grandfathered T52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 452	$ 74	$ 405	$ 313	$ 1,243	$ -	$ 1,243
Non-Grandfathered T42 High Annual-High Winter	$ 59,956	$ 101,839	$ 123,366	$ 102,951	$ 81,654	$ 54,352	$ 15,814	$ -	$ 5,453	$ 891	$ 4,746	$ 34,261	$ 585,284	$ 524,119	$ 61,165
TOTAL	$2,612,396	$ 4,405,042	$ 5,329,129	$ 4,462,911	$ 3,538,238	$ 2,381,028	$ 772,328	$ 131,503	$ 152,530	$ 24,932	$ 330,486	$ 1,524,652	$ 25,665,177	$ 22,728,745	$ 2,936,431
Residential	$ 966,252	$ 1,616,367	$ 1,950,152	$ 1,630,837	$ 1,303,010	$ 887,340	$ 291,333	$ 44,782	$ 26,622	$ 4,352	$ 120,216	$ 581,046	$ 9,422,310	$ 8,353,957	$ 1,068,352
SALES HLF CLASSES	$ 280,017	$ 452,120	$ 544,753	$ 474,311	$ 365,110	$ 261,211	$ 78,101	$ 24,822	$ 16,922	$ 2,766	$ 44,948	$ 146,851	$ 2,691,934	$ 2,377,523	$ 314,411
SALES LLF CLASSES	$ 1,116,097	$ 1,918,990	$ 2,330,188	$ 1,934,591	$ 1,533,711	$ 1,002,951	$ 329,700	$ 51,121	$ 98,439	$ 16,091	$ 134,894	$ 652,108	$ 11,118,881	$ 9,836,529	$ 1,282,353
Non-Grandfathered HLF CLASSES	$ 21,596	$ 34,438	$ 41,497	$ 36,578	$ 27,817	$ 20,175	$ 6,196	$ 2,117	$ 3,374	$ 551	$ 4,051	$ 9,168	$ 207,558	$ 182,101	$ 25,457
Non-Grandfathered LLF CLASSES	$ 228,433	$ 363,127	$ 462,539	$ 386,594	$ 308,591	$ 209,352	$ 66,998	$ 8,660	$ 7,172	$ 1,172	$ 26,377	$ 135,478	$ 2,224,494	$ 1,978,636	$ 245,858

REMAINING PIPELINE DEMAND

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
MONTHLY PR DEMAND %	7.939%	17.428%	32.780%	17.924%	12.523%	5.489%	1.606%	0.189%	0.231%	0.026%	0.574%	3.291%	100.000%	94.082%	5.918%
Res Heat	$ 124,173	$ 272,592	$ 512,710	$ 280,348	$ 195,867	$ 85,846	$ 25,125	$ 2,961	$ 3,619	$ 411	$ 8,977	$ 51,469	$ 1,564,100	$ 1,471,537	$ 92,563
Res General	$ 672	$ 1,476	$ 2,776	$ 1,518	$ 1,060	$ 465	$ 136	$ 16	$ 20	$ 2	$ 49	$ 279	$ 8,468	$ 7,967	$ 501
G50 Low Annual-Low Winter	$ 2,175	$ 4,775	$ 8,982	$ 4,911	$ 3,431	$ 1,504	$ 440	$ 52	$ 63	$ 7	$ 157	$ 902	$ 27,401	$ 25,780	$ 1,622
G40 Low Annual-High Winter	$ 69,668	$ 152,941	$ 287,662	$ 157,292	$ 109,893	$ 48,165	$ 14,097	$ 1,662	$ 2,031	$ 230	$ 5,037	$ 28,877	$ 877,554	$ 825,621	$ 51,933
G51 Med Annual-Low Winter	$ 11,348	$ 24,908	$ 46,848	$ 25,616	$ 17,897	$ 7,844	$ 2,296	$ 271	$ 331	$ 38	$ 820	$ 4,703	$ 142,917	$ 134,459	$ 8,458
G41 Med Annual-High Winter	$ 68,882	$ 151,214	$ 284,414	$ 155,517	$ 108,653	$ 47,621	$ 13,938	$ 1,643	$ 2,008	$ 228	$ 4,980	$ 28,551	$ 867,648	$ 816,301	$ 51,347
G52 High Annual-Low Winter	$ 7,293	$ 16,011	$ 30,115	$ 16,467	$ 11,505	$ 5,042	$ 1,476	$ 174	$ 213	$ 24	$ 527	$ 3,023	$ 91,870	$ 86,433	$ 5,437
G42 High Annual-High Winter	$ 22,730	$ 49,899	$ 93,853	$ 51,319	$ 35,854	$ 15,714	$ 4,599	$ 542	$ 663	$ 75	$ 1,643	$ 9,422	$ 286,314	$ 269,370	$ 16,944
Non-Grandfathered T50 Low Annual-Low Winter	$ 336	$ 738	$ 1,388	$ 759	$ 530	$ 232	$ 68	$ 8	$ 10	$ 1	$ 24	$ 139	$ 4,234	$ 3,983	$ 251
Non-Grandfathered T40 Low Annual-High Winter	$ 1,788	$ 3,926	$ 7,385	$ 4,038	$ 2,821	$ 1,236	$ 362	$ 43	$ 52	$ 6	$ 129	$ 741	$ 22,528	$ 21,195	$ 1,333
Non-Grandfathered T51 Med Annual-Low Winter	$ 2,004	$ 4,400	$ 8,275	$ 4,525	$ 3,161	$ 1,386	$ 406	$ 48	$ 58	$ 7	$ 145	$ 831	$ 25,244	$ 23,750	$ 1,494
Non-Grandfathered T41 Med Annual-High Winter	$ 14,853	$ 32,607	$ 61,329	$ 33,535	$ 23,429	$ 10,269	$ 3,005	$ 354	$ 433	$ 49	$ 1,074	$ 6,157	$ 187,094	$ 176,022	$ 11,072
Non-Grandfathered T52 High Annual-Low Winter	$ 190	$ 418	$ 786	$ 430	$ 300	$ 132	$ 38	$ 5	$ 6	$ 1	$ 14	$ 79	$ 2,397	$ 2,255	$ 142
Non-Grandfathered T42 High Annual-High Winter	$ 3,824	$ 8,395	$ 15,791	$ 8,634	$ 6,032	$ 2,644	$ 774	$ 91	$ 111	$ 13	$ 276	$ 1,585	$ 48,172	$ 45,321	$ 2,851
TOTAL	$ 329,937	$ 724,299	$ 1,362,314	$ 744,909	$ 520,435	$ 228,101	$ 66,759	$ 7,869	$ 9,617	$ 1,091	$ 23,853	$ 136,758	$ 4,155,941	$ 3,909,994	$ 245,947
Residential	$ 124,845	$ 274,068	$ 515,486	$ 281,866	$ 196,928	$ 86,311	$ 25,261	$ 2,977	$ 3,639	$ 413	$ 9,026	$ 51,748	$ 1,572,568	$ 1,479,504	$ 93,064
SALES HLF CLASSES	$ 20,815	$ 45,694	$ 85,945	$ 46,994	$ 32,833	$ 14,390	$ 4,212	$ 496	$ 607	$ 69	$ 1,505	$ 8,628	$ 262,188	$ 246,672	$ 15,516
SALES LLF CLASSES	$ 161,260	$ 354,053	$ 665,929	$ 364,128	$ 254,400	$ 111,501	$ 32,633	$ 3,848	$ 4,701	$ 533	$ 11,660	$ 66,850	$ 2,031,516	$ 1,911,292	$ 120,224
Non-Grandfathered HLF CLASSES	$ 2,531	$ 5,555	$ 10,449	$ 5,713	$ 3,992	$ 1,749	$ 512	$ 60	$ 74	$ 8	$ 183	$ 1,049	$ 31,875	$ 29,988	$ 1,886
Non-Grandfathered LLF CLASSES	$ 20,466	$ 44,928	$ 84,505	$ 46,207	$ 32,283	$ 14,149	$ 4,141	$ 488	$ 597	$ 68	$ 1,480	$ 8,483	$ 257,794	$ 242,538	$ 15,256

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
REMAINING COSTS

Schedule JAF-11

PEAKING AND STORAGE DEMAND

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
MONTHLY PR DEMAND %	7.939%	17.428%	32.780%	17.924%	12.523%	5.489%	1.606%	0.189%	0.231%	0.026%	0.574%	3.291%	100.000%	94.082%	5.918%
Res Heat	$ 255,343	$ 560,545	$ 1,054,314	$ 576,495	$ 402,772	$ 176,530	$ 51,666	$ 6,090	$ 7,443	$ 845	$ 18,460	$ 105,839	$ 3,218,342	$ 3,025,999	$ 190,342
Res General	$ 1,382	$ 3,035	$ 5,708	$ 3,121	$ 2,181	$ 956	$ 280	$ 33	$ 40	$ 5	$ 100	$ 573	$ 17,413	$ 16,383	$ 1,031
G50 Low Annual-Low Winter	$ 4,473	$ 9,820	$ 18,470	$ 10,099	$ 7,056	$ 3,093	$ 905	$ 107	$ 130	$ 15	$ 323	$ 1,854	$ 58,346	$ 53,012	$ 3,335
G40 Low Annual-High Winter	$ 143,263	$ 314,500	$ 591,534	$ 323,449	$ 225,980	$ 99,044	$ 28,988	$ 3,417	$ 4,176	$ 474	$ 10,357	$ 59,382	$ 1,804,562	$ 1,697,768	$ 106,793
G51 Med Annual-Low Winter	$ 23,332	$ 51,219	$ 96,336	$ 52,676	$ 36,803	$ 16,130	$ 4,721	$ 556	$ 680	$ 77	$ 1,687	$ 9,671	$ 293,888	$ 276,496	$ 17,392
G41 Med Annual-High Winter	$ 141,645	$ 310,950	$ 584,856	$ 319,798	$ 223,429	$ 97,926	$ 28,660	$ 3,378	$ 4,129	$ 469	$ 10,240	$ 58,712	$ 1,784,192	$ 1,678,604	$ 105,588
G52 High Annual-Low Winter	$ 14,998	$ 32,924	$ 61,927	$ 33,861	$ 23,657	$ 10,369	$ 3,035	$ 358	$ 437	$ 50	$ 1,084	$ 6,217	$ 188,916	$ 177,736	$ 11,180
G42 High Annual-High Winter	$ 46,741	$ 102,610	$ 192,996	$ 105,529	$ 73,729	$ 32,314	$ 9,458	$ 1,115	$ 1,362	$ 155	$ 3,379	$ 19,374	$ 588,762	$ 553,919	$ 34,843
Non-Grandfathered T50 Low Annual-Low Winter	$ 691	$ 1,517	$ 2,854	$ 1,561	$ 1,090	$ 478	$ 140	$ 16	$ 20	$ 2	$ 50	$ 287	$ 8,707	$ 8,191	$ 515
Non-Grandfathered T40 Low Annual-High Winter	$ 3,678	$ 8,074	$ 15,185	$ 8,303	$ 5,801	$ 2,543	$ 744	$ 88	$ 107	$ 12	$ 266	$ 1,524	$ 46,326	$ 43,584	$ 2,742
Non-Grandfathered T51 Med Annual-Low Winter	$ 4,121	$ 9,047	$ 17,016	$ 9,304	$ 6,501	$ 2,849	$ 834	$ 98	$ 120	$ 14	$ 298	$ 1,708	$ 51,911	$ 48,839	$ 3,072
Non-Grandfathered T41 Med Annual-High Winter	$ 30,544	$ 67,051	$ 126,115	$ 68,959	$ 48,179	$ 21,116	$ 6,180	$ 728	$ 890	$ 101	$ 2,208	$ 12,860	$ 384,732	$ 361,964	$ 22,768
Non-Grandfathered T52 High Annual-Low Winter	$ 391	$ 859	$ 1,615	$ 883	$ 617	$ 270	$ 79	$ 9	$ 11	$ 1	$ 28	$ 162	$ 4,928	$ 4,637	$ 292
Non-Grandfathered T42 High Annual-High Winter	$ 7,864	$ 17,264	$ 32,471	$ 17,755	$ 12,405	$ 5,437	$ 1,591	$ 188	$ 229	$ 26	$ 569	$ 3,260	$ 99,058	$ 93,198	$ 5,862
TOTAL	$ 678,466	$ 1,489,415	$ 2,801,398	$ 1,531,795	$ 1,070,199	$ 469,055	$ 137,280	$ 16,181	$ 19,776	$ 2,244	$ 49,050	$ 281,223	$ 8,548,082	$ 8,040,327	$ 505,754
Residential	$ 256,725	$ 563,580	$ 1,060,022	$ 579,616	$ 404,953	$ 177,486	$ 51,946	$ 6,123	$ 7,483	$ 849	$ 18,560	$ 106,412	$ 3,233,755	$ 3,042,382	$ 191,373
SALES HLF CLASSES	$ 42,803	$ 93,963	$ 176,733	$ 96,637	$ 67,516	$ 29,592	$ 8,661	$ 1,021	$ 1,248	$ 142	$ 3,094	$ 17,742	$ 539,151	$ 507,244	$ 31,907
SALES LLF CLASSES	$ 331,649	$ 728,059	$ 1,369,386	$ 748,776	$ 523,137	$ 229,285	$ 67,106	$ 7,909	$ 9,667	$ 1,097	$ 23,977	$ 137,468	$ 4,177,515	$ 3,930,291	$ 247,224
Non-Grandfathered HLF CLASSES	$ 5,204	$ 11,423	$ 21,486	$ 11,748	$ 8,208	$ 3,598	$ 1,053	$ 124	$ 152	$ 17	$ 376	$ 2,157	$ 65,546	$ 61,667	$ 3,879
Non-Grandfathered LLF CLASSES	$ 42,085	$ 92,389	$ 173,771	$ 95,016	$ 66,385	$ 29,096	$ 8,516	$ 1,004	$ 1,227	$ 139	$ 3,043	$ 17,444	$ 530,116	$ 498,744	$ 31,372

REMAINING CAPACITY RELEASE COSTS BY CLASS

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
MONTHLY DEMAND %	7.939%	17.428%	32.780%	17.924%	12.523%	5.489%	1.606%	0.189%	0.231%	0.026%	0.574%	3.291%	100.000%	94.082%	5.918%
Res Heat	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Res General	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TOTAL	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Residential	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SALES HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SALES LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
REMAINING COSTS

Schedule JAF-11

1 **REMAINING INTERRUPTIBLE MARGINS BY CLASS**

		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
5	MONTHLY P&S Total	7.939%	17.428%	32.780%	17.924%	12.523%	5.489%	1.606%	0.189%	0.231%	0.026%	0.574%	3.291%	100.000%	94.082%	5.918%
7	Res Heat	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
8	Res General	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
9	G50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
10	G40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
11	G51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
12	G41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	G52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
14	G42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
15	Non-Grandfathered T50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
16	Non-Grandfathered T40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
17	Non-Grandfathered T51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
18	Non-Grandfathered T41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
19	Non-Grandfathered T52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
20	Non-Grandfathered T42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
22	TOTAL	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
24	SALES HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
25	SALES LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
26	Non-Grandfathered HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
27	Non-Grandfathered LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

30 **REMAINING OFF SYSTEM REVENUES**

		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
34	MONTHLY DEMAND %	7.939%	17.428%	32.780%	17.924%	12.523%	5.489%	1.606%	0.189%	0.231%	0.026%	0.574%	3.291%	100.000%	94.082%	5.918%
36	Res Heat	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
37	Res General	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38	G50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
39	G40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
40	G51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
41	G41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
42	G52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
43	G42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
44	Non-Grandfathered T50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
45	Non-Grandfathered T40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
46	Non-Grandfathered T51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
47	Non-Grandfathered T41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
48	Non-Grandfathered T52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
49	Non-Grandfathered T42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
51	TOTAL	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
53	Residential	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
54	SALES HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
55	SALES LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
56	Non-Grandfathered HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
57	Non-Grandfathered LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Allocator (SMBA) Calculations
REMAINING COSTS

Schedule JAF-11

REMAINING A&G BY CLASS

		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
1	MONTHLY DEMAND %	7.939%	17.428%	32.780%	17.924%	12.523%	5.489%	1.606%	0.189%	0.231%	0.026%	0.574%	3.291%	100.000%	94.082%	5.918%
2																
3	Res Heat	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4	Res General	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
5	G50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
6	G40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
7	G51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
8	G41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
9	G52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
10	G42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
11	Non-Grandfathered T50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
12	Non-Grandfathered T40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	Non-Grandfathered T51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
14	Non-Grandfathered T41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
15	Non-Grandfathered T52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
16	Non-Grandfathered T42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
17																
18	TOTAL	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
19																
20	Residential	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
21	SALES HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
22	SALES LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
23	Non-Grandfathered HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
24	Non-Grandfathered LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

TOTAL REMAINING DEMAND COSTS BY CLASS BY MONTH

		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
29	MONTHLY PR DEMAND %	7.939%	17.428%	32.780%	17.924%	12.523%	5.489%	1.606%	0.189%	0.231%	0.026%	0.574%	3.291%	100.000%	94.082%	5.918%
30																
31	Res Heat	$ 379,515	$ 833,137	$ 1,567,024	$ 856,844	$ 598,640	$ 262,377	$ 76,791	$ 9,051	$ 11,062	$ 1,255	$ 27,437	$ 157,308	$ 4,780,441	$ 4,497,538	$ 282,905
32	Res General	$ 2,055	$ 4,511	$ 8,484	$ 4,639	$ 3,241	$ 1,420	$ 416	$ 49	$ 60	$ 7	$ 149	$ 852	$ 25,881	$ 24,349	$ 1,532
33	G50 Low Annual-Low Winter	$ 6,649	$ 14,596	$ 27,452	$ 15,011	$ 10,487	$ 4,597	$ 1,345	$ 159	$ 194	$ 22	$ 481	$ 2,756	$ 83,747	$ 78,791	$ 4,956
34	G40 Low Annual-High Winter	$ 212,931	$ 467,440	$ 879,195	$ 480,741	$ 335,873	$ 147,209	$ 43,084	$ 5,078	$ 6,207	$ 704	$ 15,394	$ 88,259	$ 2,682,116	$ 2,523,389	$ 158,727
35	G51 Med Annual-Low Winter	$ 34,678	$ 76,127	$ 143,184	$ 78,293	$ 54,700	$ 23,974	$ 7,017	$ 827	$ 1,011	$ 115	$ 2,507	$ 14,374	$ 436,805	$ 410,955	$ 25,850
36	G41 Med Annual-High Winter	$ 210,527	$ 462,164	$ 869,271	$ 475,314	$ 332,082	$ 145,547	$ 42,598	$ 5,021	$ 6,137	$ 696	$ 15,220	$ 87,263	$ 2,651,840	$ 2,494,905	$ 156,935
37	G52 High Annual-Low Winter	$ 22,291	$ 48,935	$ 92,041	$ 50,328	$ 35,162	$ 15,411	$ 4,510	$ 532	$ 650	$ 74	$ 1,612	$ 9,240	$ 280,786	$ 264,169	$ 16,617
38	G42 High Annual-High Winter	$ 69,471	$ 152,508	$ 286,849	$ 156,848	$ 109,583	$ 48,029	$ 14,057	$ 1,657	$ 2,025	$ 230	$ 5,023	$ 28,796	$ 875,075	$ 823,289	$ 51,787
39	Non-Grandfathered T50 Low Annual-Low Winter	$ 1,027	$ 2,255	$ 4,242	$ 2,319	$ 1,621	$ 710	$ 208	$ 25	$ 30	$ 3	$ 74	$ 426	$ 12,941	$ 12,175	$ 766
40	Non-Grandfathered T40 Low Annual-High Winter	$ 5,466	$ 12,000	$ 22,570	$ 12,341	$ 8,622	$ 3,779	$ 1,106	$ 130	$ 159	$ 18	$ 395	$ 2,266	$ 68,854	$ 64,779	$ 4,075
41	Non-Grandfathered T51 Med Annual-Low Winter	$ 6,125	$ 13,447	$ 25,291	$ 13,829	$ 9,662	$ 4,235	$ 1,239	$ 146	$ 179	$ 20	$ 443	$ 2,539	$ 77,155	$ 72,589	$ 4,566
42	Non-Grandfathered T41 Med Annual-High Winter	$ 45,397	$ 99,658	$ 187,444	$ 102,494	$ 71,608	$ 31,385	$ 9,186	$ 1,083	$ 1,323	$ 150	$ 3,282	$ 18,817	$ 571,827	$ 537,986	$ 33,841
43	Non-Grandfathered T52 High Annual-Low Winter	$ 582	$ 1,277	$ 2,401	$ 1,313	$ 917	$ 402	$ 118	$ 14	$ 17	$ 2	$ 42	$ 241	$ 7,325	$ 6,891	$ 433
44	Non-Grandfathered T42 High Annual-High Winter	$ 11,688	$ 25,659	$ 48,262	$ 26,389	$ 18,437	$ 8,081	$ 2,365	$ 279	$ 341	$ 39	$ 845	$ 4,845	$ 147,229	$ 138,516	$ 8,713
45																
46	TOTAL	$ 1,008,403	$ 2,213,714	$ 4,163,711	$ 2,276,704	$ 1,590,634	$ 697,156	$ 204,040	$ 24,049	$ 29,393	$ 3,335	$ 72,903	$ 417,981	$ 12,702,023	$ 11,950,321	$ 751,702
47																
48	Residential	$ 381,570	$ 837,648	$ 1,575,508	$ 861,483	$ 601,881	$ 263,797	$ 77,207	$ 9,100	$ 11,122	$ 1,262	$ 27,586	$ 158,160	$ 4,806,323	$ 4,521,886	$ 284,437
49	SALES HLF CLASSES	$ 63,618	$ 139,658	$ 262,678	$ 143,632	$ 100,349	$ 43,982	$ 12,872	$ 1,517	$ 1,854	$ 210	$ 4,599	$ 26,369	$ 801,339	$ 753,916	$ 47,423
50	SALES LLF CLASSES	$ 492,930	$ 1,082,112	$ 2,035,315	$ 1,112,903	$ 777,537	$ 340,785	$ 99,739	$ 11,756	$ 14,368	$ 1,630	$ 35,637	$ 204,318	$ 6,209,031	$ 5,841,583	$ 367,448
51	Non-Grandfathered HLF CLASSES	$ 7,734	$ 16,978	$ 31,934	$ 17,462	$ 12,200	$ 5,347	$ 1,565	$ 184	$ 225	$ 26	$ 559	$ 3,206	$ 97,421	$ 91,655	$ 5,785
52	Non-Grandfathered LLF CLASSES	$ 62,551	$ 137,317	$ 258,276	$ 141,225	$ 98,667	$ 43,245	$ 12,657	$ 1,492	$ 1,823	$ 207	$ 4,522	$ 25,927	$ 787,910	$ 741,281	$ 46,628
53																
54																

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
REMAINING COSTS

Schedule JAF-11

REMAINING TOTAL COSTS BY CLASS

		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
1	Res Heat	$ 1,338,808	$ 2,438,491	$ 3,503,883	$ 2,475,756	$ 1,892,780	$ 1,143,228	$ 366,218	$ 53,138	$ 35,764	$ 5,293	$ 146,462	$ 734,471	$ 14,134,293	$ 12,792,947	$ 1,341,346
2	Res General	$ 9,014	$ 15,523	$ 21,777	$ 16,563	$ 12,110	$ 7,908	$ 2,322	$ 744	$ 1,981	$ 321	$ 1,340	$ 4,736	$ 94,339	$ 82,896	$ 11,443
3	G50 Low Annual-Low Winter	$ 26,789	$ 43,190	$ 61,786	$ 50,603	$ 33,688	$ 24,785	$ 2,633	$ 5,040	$ 2,903	$ 465	$ 6,415	$ 2,756	$ 261,052	$ 240,841	$ 20,211
4	G40 Low Annual-High Winter	$ 749,888	$ 1,367,998	$ 1,965,168	$ 1,384,224	$ 1,062,331	$ 640,418	$ 207,023	$ 30,088	$ 13,843	$ 1,952	$ 82,079	$ 412,519	$ 7,917,532	$ 7,170,027	$ 747,505
5	G51 Med Annual-Low Winter	$ 117,657	$ 205,149	$ 298,519	$ 219,114	$ 158,996	$ 102,103	$ 30,267	$ 11,141	$ 9,196	$ 1,453	$ 18,358	$ 55,285	$ 1,227,236	$ 1,101,537	$ 125,698
6	G41 Med Annual-High Winter	$ 754,275	$ 1,372,863	$ 1,967,450	$ 1,390,358	$ 1,066,752	$ 645,219	$ 208,359	$ 31,132	$ 16,965	$ 2,466	$ 83,429	$ 415,111	$ 7,954,380	$ 7,196,917	$ 757,463
7	G52 High Annual-Low Winter	$ 199,188	$ 343,440	$ 447,126	$ 348,226	$ 272,775	$ 178,305	$ 58,073	$ 10,159	$ 6,678	$ 1,059	$ 24,775	$ 115,180	$ 2,004,984	$ 1,789,060	$ 215,924
8	G42 High Annual-High Winter	$ 104,865	$ 260,241	$ 432,884	$ 272,912	$ 182,166	$ 58,099	$ 14,057	$ 1,657	$ 82,000	$ 13,302	$ 5,023	$ 28,796	$ 1,456,001	$ 1,311,167	$ 144,834
9	Non-Grandfathered T50 Low Annual-Low Winter	$ 9,882	$ 17,007	$ 22,033	$ 17,236	$ 13,527	$ 8,870	$ 2,888	$ 497	$ 69	$ 10	$ 1,234	$ 5,736	$ 98,988	$ 88,555	$ 10,433
10	Non-Grandfathered T40 Low Annual-High Winter	$ 36,367	$ 63,698	$ 84,904	$ 64,354	$ 50,325	$ 32,193	$ 10,516	$ 1,651	$ 936	$ 145	$ 4,310	$ 20,872	$ 370,273	$ 331,842	$ 38,430
11	Non-Grandfathered T51 Med Annual-Low Winter	$ 18,867	$ 33,133	$ 48,998	$ 35,491	$ 25,572	$ 16,250	$ 4,755	$ 1,791	$ 3,061	$ 491	$ 2,930	$ 6,085	$ 197,423	$ 178,310	$ 19,113
12	Non-Grandfathered T41 Med Annual-High Winter	$ 182,973	$ 329,248	$ 464,282	$ 334,124	$ 256,842	$ 157,971	$ 50,959	$ 8,222	$ 2,266	$ 304	$ 20,998	$ 101,428	$ 1,909,617	$ 1,725,440	$ 184,177
13	Non-Grandfathered T52 High Annual-Low Winter	$ 582	$ 1,277	$ 2,401	$ 1,313	$ 917	$ 402	$ 118	$ 14	$ 469	$ 76	$ 447	$ 554	$ 8,568	$ 6,891	$ 1,677
14	Non-Grandfathered T42 High Annual-High Winter	$ 71,645	$ 127,498	$ 171,628	$ 129,340	$ 100,091	$ 62,433	$ 18,179	$ 279	$ 5,793	$ 930	$ 5,591	$ 39,106	$ 732,513	$ 662,635	$ 69,878
15																
16	TOTAL	$ 3,620,799	$ 6,618,755	$ 9,492,841	$ 6,739,615	$ 5,128,872	$ 3,078,184	$ 976,368	$ 155,552	$ 181,923	$ 28,268	$ 403,389	$ 1,942,633	$ 38,367,199	$ 34,679,067	$ 3,688,133
17																
18	Residential	$ 1,347,822	$ 2,454,014	$ 3,525,660	$ 2,492,319	$ 1,904,890	$ 1,151,137	$ 368,540	$ 53,882	$ 37,744	$ 5,614	$ 147,802	$ 739,206	$ 15,966,251	$ 14,449,841	$ 1,516,410
19	SALES HLF CLASSES	$ 343,635	$ 591,778	$ 807,431	$ 617,943	$ 465,459	$ 305,193	$ 90,974	$ 26,339	$ 18,777	$ 2,977	$ 49,547	$ 173,221	$ 3,493,272	$ 3,131,438	$ 361,834
20	SALES LLF CLASSES	$ 1,609,027	$ 3,001,102	$ 4,365,503	$ 3,047,494	$ 2,311,249	$ 1,343,737	$ 429,439	$ 62,877	$ 112,807	$ 17,721	$ 170,531	$ 856,426	$ 31,462,206	$ 28,471,058	$ 2,991,147
21	Non-Grandfathered HLF CLASSES	$ 29,330	$ 51,417	$ 73,432	$ 54,040	$ 40,016	$ 25,522	$ 7,761	$ 2,302	$ 3,599	$ 577	$ 4,610	$ 12,374	$ 304,979	$ 273,756	$ 31,223
22	Non-Grandfathered LLF CLASSES	$ 290,985	$ 520,444	$ 720,815	$ 527,819	$ 407,258	$ 252,596	$ 79,654	$ 10,152	$ 8,996	$ 1,379	$ 30,899	$ 161,405	$ 3,012,403	$ 2,719,918	$ 292,486
23																
24																
25																

TOTAL REMAINING COMMODITY COSTS INCLUDING INTERRUPTIBLE (From Commodity tab) (Allocate to classes based on Remaining Sendout)

		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
30	TOTAL REMAINING	$ 2,621,610	$ 4,405,042	$ 5,329,129	$ 4,462,911	$ 3,538,238	$ 2,392,661	$ 772,328	$ 131,503	$ 152,530	$ 24,932	$ 330,486	$ 1,524,652	$ 25,686,022	$ 22,749,591	$ 2,936,431
31																
32	Res Heat	$ 962,677	$ 1,605,354	$ 1,936,859	$ 1,618,912	$ 1,294,140	$ 885,155	$ 289,427	$ 44,087	$ 24,702	$ 4,038	$ 119,025	$ 577,162	$ 9,361,538	$ 8,303,097	$ 1,058,441
33	Res General	$ 6,984	$ 11,013	$ 13,293	$ 11,924	$ 8,869	$ 6,519	$ 1,906	$ 695	$ 1,921	$ 314	$ 1,191	$ 3,884	$ 68,514	$ 58,603	$ 9,911
34	G50 Low Annual-Low Winter	$ 20,212	$ 28,594	$ 34,334	$ 35,592	$ 23,200	$ 20,287	$ 1,288	$ 4,882	$ 2,709	$ 443	$ 5,934	$ -	$ 177,474	$ 162,219	$ 15,255
35	G40 Low Annual-High Winter	$ 538,850	$ 900,558	$ 1,085,973	$ 903,483	$ 726,458	$ 495,619	$ 163,939	$ 25,010	$ 7,636	$ 1,248	$ 66,685	$ 324,260	$ 5,239,719	$ 4,650,941	$ 588,778
36	G51 Med Annual-Low Winter	$ 83,272	$ 129,022	$ 155,334	$ 140,821	$ 104,296	$ 78,510	$ 23,250	$ 10,313	$ 8,185	$ 1,338	$ 15,850	$ 40,911	$ 791,105	$ 691,256	$ 99,848
37	G41 Med Annual-High Winter	$ 545,665	$ 910,699	$ 1,098,179	$ 915,044	$ 734,670	$ 502,113	$ 165,761	$ 26,111	$ 10,828	$ 1,770	$ 68,209	$ 327,848	$ 5,306,899	$ 4,706,371	$ 600,528
38	G52 High Annual-Low Winter	$ 177,521	$ 294,504	$ 355,085	$ 297,898	$ 237,613	$ 163,690	$ 53,563	$ 9,627	$ 6,029	$ 985	$ 23,164	$ 105,940	$ 1,725,618	$ 1,526,311	$ 199,307
39	G42 High Annual-High Winter	$ 35,518	$ 107,732	$ 146,035	$ 116,064	$ 72,583	$ 10,120	$ -	$ -	$ 79,975	$ 13,072	$ -	$ -	$ 581,099	$ 488,052	$ 93,047
40	Non-Grandfathered T50 Low Annual-Low Winter	$ 8,886	$ 14,752	$ 17,791	$ 14,916	$ 11,907	$ 8,199	$ 2,681	$ 473	$ 39	$ 6	$ 1,159	$ 5,310	$ 86,118	$ 76,451	$ 9,667
41	Non-Grandfathered T40 Low Annual-High Winter	$ 31,010	$ 51,699	$ 62,334	$ 52,013	$ 41,703	$ 28,553	$ 9,410	$ 1,521	$ 777	$ 127	$ 3,915	$ 18,606	$ 301,667	$ 267,311	$ 34,356
42	Non-Grandfathered T51 Med Annual-Low Winter	$ 12,786	$ 19,686	$ 23,706	$ 21,662	$ 15,910	$ 12,074	$ 3,515	$ 1,645	$ 2,883	$ 471	$ 2,487	$ 3,546	$ 120,371	$ 105,825	$ 14,547
43	Non-Grandfathered T41 Med Annual-High Winter	$ 138,062	$ 229,590	$ 276,838	$ 231,630	$ 185,234	$ 127,204	$ 41,773	$ 7,139	$ 943	$ 154	$ 17,716	$ 82,611	$ 1,338,894	$ 1,188,558	$ 150,337
44	Non-Grandfathered T52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 452	$ 74	$ 405	$ 313	$ 1,243	$ -	$ 1,243
45	Non-Grandfathered T42 High Annual-High Winter	$ 60,168	$ 101,839	$ 123,366	$ 102,951	$ 81,654	$ 54,617	$ 15,814	$ -	$ 5,453	$ 891	$ 4,746	$ 34,261	$ 585,781	$ 524,596	$ 61,165
46																
47	TOTAL	$ 2,621,610	$ 4,405,042	$ 5,329,129	$ 4,462,911	$ 3,538,238	$ 2,392,661	$ 772,328	$ 131,503	$ 152,530	$ 24,932	$ 330,486	$ 1,524,652	$ 25,686,022	$ 22,749,591	$ 2,936,431
48																
49	Residential	$ 969,660	$ 1,616,367	$ 1,950,152	$ 1,630,837	$ 1,303,010	$ 891,675	$ 291,333	$ 44,782	$ 26,622	$ 4,352	$ 120,216	$ 581,046			
50	SALES HLF CLASSES	$ 281,005	$ 452,120	$ 544,753	$ 474,311	$ 365,110	$ 262,487	$ 78,101	$ 24,822	$ 16,922	$ 2,766	$ 44,948	$ 146,851	#REF!	#REF!	#REF!
51	SALES LLF CLASSES	$ 1,120,034	$ 1,918,990	$ 2,330,188	$ 1,934,591	$ 1,533,711	$ 1,007,851	$ 329,700	$ 51,121	$ 98,439	$ 16,091	$ 134,894	$ 652,108	$ 20,489,256	$ 18,148,462	$ 2,340,794
52	Non-Grandfathered HLF CLASSES	$ 21,672	$ 34,438	$ 41,497	$ 36,578	$ 27,817	$ 20,273	$ 6,196	$ 2,117	$ 3,374	$ 551	$ 4,051	$ 9,168	$ 207,733	$ 182,276	$ 25,457
53	Non-Grandfathered LLF CLASSES	$ 229,239	$ 383,127	$ 462,539	$ 386,594	$ 308,591	$ 210,375	$ 66,998	$ 8,660	$ 7,172	$ 1,172	$ 26,377	$ 135,478	$ 2,226,322	$ 1,980,464	$ 245,858
54																
55																
56																

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
REMAINING COSTS

Schedule JAF-11

TOTAL REMAINING INTERRUPTIBLE COMMODITY COSTS (From Commodity tab) (Allocate to classes based on Remaining Sendout)

		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
1	TOTAL REMAINING	$ 9,213	$ -	$ -	$ -	$ -	$ 11,633							$ 20,846	$ 20,846	$ -
2																
3	Res Heat	$ 3,383	$ -	$ -	$ -	$ -	$ 4,303	$ -	$ -	$ -	$ -	$ -	$ -	$ 7,687	$ 7,687	$ -
4	Res General	$ 25	$ -	$ -	$ -	$ -	$ 32	$ -	$ -	$ -	$ -	$ -	$ -	$ 56	$ 56	$ -
5	G50 Low Annual-Low Winter	$ 71	$ -	$ -	$ -	$ -	$ 99	$ -	$ -	$ -	$ -	$ -	$ -	$ 170	$ 170	$ -
6	G40 Low Annual-High Winter	$ 1,894	$ -	$ -	$ -	$ -	$ 2,410	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,303	$ 4,303	$ -
7	G51 Med Annual-Low Winter	$ 293	$ -	$ -	$ -	$ -	$ 382	$ -	$ -	$ -	$ -	$ -	$ -	$ 674	$ 674	$ -
8	G41 Med Annual-High Winter	$ 1,918	$ -	$ -	$ -	$ -	$ 2,441	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,359	$ 4,359	$ -
9	G52 High Annual-Low Winter	$ 624	$ -	$ -	$ -	$ -	$ 796	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,420	$ 1,420	$ -
10	G42 High Annual-High Winter	$ 125	$ -	$ -	$ -	$ -	$ 49	$ -	$ -	$ -	$ -	$ -	$ -	$ 174	$ 174	$ -
11	Non-Grandfathered T50 Low Annual-Low Winter	$ 31	$ -	$ -	$ -	$ -	$ 40	$ -	$ -	$ -	$ -	$ -	$ -	$ 71	$ 71	$ -
12	Non-Grandfathered T40 Low Annual-High Winter	$ 109	$ -	$ -	$ -	$ -	$ 139	$ -	$ -	$ -	$ -	$ -	$ -	$ 248	$ 248	$ -
13	Non-Grandfathered T51 Med Annual-Low Winter	$ 45	$ -	$ -	$ -	$ -	$ 59	$ -	$ -	$ -	$ -	$ -	$ -	$ 104	$ 104	$ -
14	Non-Grandfathered T41 Med Annual-High Winter	$ 485	$ -	$ -	$ -	$ -	$ 618	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,104	$ 1,104	$ -
15	Non-Grandfathered T52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
16	Non-Grandfathered T42 High Annual-High Winter	$ 211	$ -	$ -	$ -	$ -	$ 266	$ -	$ -	$ -	$ -	$ -	$ -	$ 477	$ 477	$ -
17																
18	TOTAL	$ 9,213	$ -	$ -	$ -	$ -	$ 11,633	$ -	$ -	$ -	$ -	$ -	$ -	$ 20,846	$ 20,846	$ -
19																
20	SALES HLF CLASSES	$ 1,012	$ -	$ -	$ -	$ -	$ 1,308	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,320	$ 2,320	$ -
21	SALES LLF CLASSES	$ 7,319	$ -	$ -	$ -	$ -	$ 9,203	$ -	$ -	$ -	$ -	$ -	$ -	$ 16,523	$ 16,523	$ -
22	Non-Grandfathered HLF CLASSES	$ 76	$ -	$ -	$ -	$ -	$ 99	$ -	$ -	$ -	$ -	$ -	$ -	$ 175	$ 175	$ -
23	Non-Grandfathered LLF CLASSES	$ 806	$ -	$ -	$ -	$ -	$ 1,023	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,828	$ 1,828	$ -

Northern Utilitie V HAMPSHIRE DIVISION
Simplified Mar .d Alloctor (SMBA) Calculations
Cost Summary

Schedule JAF-1

Summary of Gas Costs

Line		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
1	BASE COMMODITY															
2	Res Heat	$ 310,888	$ 341,909	$ 353,222	$ 330,531	$ 344,271	$ 306,246	$ 271,996	$ 259,941	$ 272,335	$ 251,218	$ 275,028	$ 291,361	$ 3,608,947	$ 1,987,067	$ 1,621,880
3	Res General	$ 17,373	$ 19,107	$ 19,739	$ 18,471	$ 19,239	$ 17,114	$ 15,200	$ 14,526	$ 15,219	$ 13,474	$ 15,369	$ 16,282	$ 201,113	$ 111,042	$ 90,071
5	G50 Low Annual-Low Winter	$ 131,054	$ 144,130	$ 148,899	$ 139,334	$ 145,126	$ 129,097	$ 114,659	$ 109,577	$ 114,802	$ 113,947	$ 115,937	$ 121,043	$ 1,527,605	$ 837,640	$ 689,965
6	G40 Low Annual-High Winter	$ 87,197	$ 95,898	$ 99,070	$ 92,706	$ 96,560	$ 85,895	$ 76,289	$ 72,907	$ 76,384	$ 69,721	$ 77,139	$ 81,720	$ 1,011,486	$ 557,326	$ 454,160
7	G51 Med Annual-Low Winter	$ 223,972	$ 246,320	$ 254,470	$ 238,123	$ 248,022	$ 220,628	$ 195,953	$ 187,268	$ 196,198	$ 191,023	$ 198,138	$ 209,904	$ 2,610,021	$ 1,431,536	$ 1,178,485
8	G41 Med Annual-High Winter	$ 114,034	$ 125,412	$ 129,562	$ 121,239	$ 126,278	$ 112,331	$ 99,768	$ 95,346	$ 88,773	$ 101,611	$ 100,880	$ 106,871	$ 1,322,106	$ 728,856	$ 593,250
9	G52 High Annual-Low Winter	$ 73,878	$ 81,250	$ 83,938	$ 78,546	$ 81,811	$ 72,775	$ 64,636	$ 61,771	$ 58,526	$ 65,830	$ 65,357	$ 69,238	$ 857,556	$ 472,198	$ 385,358
10	G42 High Annual-High Winter	$ 164,133	$ 180,510	$ 186,483	$ 174,503	$ 181,757	$ 161,682	$ 87,941	$ 31,853	$ 143,779	$ 62,714	$ 60,139	$ 126,027	$ 1,561,522	$ 1,049,069	$ 512,453
11	Non-Grandfathered T50 Low Annual-Low Winter	$ 3,534	$ 3,886	$ 4,015	$ 3,757	$ 3,913	$ 3,481	$ 3,091	$ 2,954	$ 3,056	$ 3,149	$ 3,126	$ 3,312	$ 41,273	$ 22,585	$ 18,688
12	Non-Grandfathered T40 Low Annual-High Winter	$ 7,787	$ 8,564	$ 8,848	$ 8,279	$ 8,624	$ 7,671	$ 6,813	$ 6,511	$ 6,822	$ 6,128	$ 6,889	$ 7,298	$ 90,235	$ 49,774	$ 40,461
13	Non-Grandfathered T51 Med Annual-Low Winter	$ 37,356	$ 41,083	$ 42,443	$ 39,716	$ 41,367	$ 36,798	$ 32,683	$ 31,234	$ 32,723	$ 30,275	$ 33,047	$ 35,010	$ 433,735	$ 238,763	$ 194,972
14	Non-Grandfathered T41 Med Annual-High Winter	$ 46,135	$ 50,739	$ 52,418	$ 49,050	$ 51,089	$ 45,447	$ 40,364	$ 38,575	$ 40,414	$ 40,125	$ 40,814	$ 43,238	$ 538,407	$ 294,878	$ 243,529
15	Non-Grandfathered T52 High Annual-Low Winter	$ 8,754	$ 10,233	$ 12,106	$ 11,986	$ 10,465	$ 9,776	$ 7,103	$ 7,797	$ 9,885	$ 9,583	$ 9,983	$ 10,576	$ 118,246	$ 63,320	$ 54,927
16	Non-Grandfathered T42 High Annual-High Winter	$ 24,603	$ 27,058	$ 27,954	$ 26,158	$ 27,245	$ 24,236	$ 21,526	$ 20,322	$ 21,552	$ 16,227	$ 21,766	$ 23,058	$ 281,705	$ 157,255	$ 124,451
17																
18	TOTAL	$ 1,250,699	$ 1,376,101	$ 1,423,165	$ 1,332,399	$ 1,385,767	$ 1,233,177	$ 1,038,022	$ 940,584	$ 1,080,468	$ 975,026	$ 1,023,612	$ 1,144,938	$ 14,203,956	$ 8,001,307	$ 6,202,649
19																
20	Residential															
21	SALES HLF CLASSES	$ 328,262	$ 361,016	$ 372,960	$ 349,002	$ 363,509	$ 323,360	$ 287,196	$ 274,467	$ 287,554	$ 264,693	$ 290,398	$ 307,643	$ 3,810,060	$ 2,098,109	$ 1,711,951
22	SALES LLF CLASSES	$ 428,904	$ 471,700	$ 487,307	$ 456,003	$ 474,959	$ 422,500	$ 375,248	$ 358,617	$ 369,525	$ 370,801	$ 379,432	$ 400,185	$ 4,995,181	$ 2,741,374	$ 2,253,808
23	Non-Grandfathered HLF CLASSES	$ 365,364	$ 401,820	$ 415,115	$ 388,448	$ 404,596	$ 359,908	$ 263,998	$ 200,106	$ 308,936	$ 234,046	$ 238,158	$ 314,619	$ 3,895,114	$ 2,335,251	$ 1,559,863
24	Non-Grandfathered LLF CLASSES	$ 49,643	$ 55,203	$ 58,563	$ 55,459	$ 55,745	$ 50,055	$ 42,877	$ 41,985	$ 45,664	$ 43,007	$ 46,156	$ 48,897	$ 593,254	$ 324,668	$ 268,586
25		$ 78,526	$ 86,362	$ 89,219	$ 83,488	$ 86,958	$ 77,354	$ 68,703	$ 65,408	$ 68,788	$ 62,480	$ 69,468	$ 73,594	$ 910,347	$ 501,906	$ 408,441
26																
27																
28	REMAINING COMMODITY															
29	Res Heat	$ 959,293	$ 1,605,354	$ 1,936,859	$ 1,618,912	$ 1,294,140	$ 880,852	$ 289,427	$ 44,087	$ 24,702	$ 4,038	$ 119,025	$ 577,162	$ 9,353,851	$ 8,295,411	$ 1,058,441
30	Res General	$ 6,959	$ 11,013	$ 13,293	$ 11,924	$ 8,869	$ 6,488	$ 1,906	$ 695	$ 1,921	$ 314	$ 1,191	$ 3,884	$ 68,458	$ 58,547	$ 9,911
31	G50 Low Annual-Low Winter	$ 20,141	$ 28,594	$ 34,334	$ 35,592	$ 23,200	$ 20,188	$ 1,288	$ 4,882	$ 2,709	$ 443	$ 5,934	$ -	$ 177,305	$ 162,049	$ 15,255
32	G40 Low Annual-High Winter	$ 536,957	$ 900,558	$ 1,085,973	$ 903,483	$ 726,458	$ 493,209	$ 163,939	$ 25,010	$ 7,636	$ 1,248	$ 66,685	$ 324,260	$ 5,235,416	$ 4,646,638	$ 588,778
33	G51 Med Annual-Low Winter	$ 82,980	$ 129,022	$ 155,334	$ 140,821	$ 104,296	$ 78,129	$ 23,250	$ 10,313	$ 8,185	$ 1,338	$ 15,850	$ 40,911	$ 790,431	$ 690,582	$ 99,848
34	G41 Med Annual-High Winter	$ 543,748	$ 910,699	$ 1,098,179	$ 915,044	$ 734,670	$ 499,672	$ 165,761	$ 26,111	$ 10,828	$ 1,770	$ 68,209	$ 327,848	$ 5,302,540	$ 4,702,013	$ 600,528
35	G52 High Annual-Low Winter	$ 176,897	$ 294,504	$ 355,085	$ 297,898	$ 237,613	$ 162,894	$ 53,563	$ 9,627	$ 6,029	$ 985	$ 23,164	$ 105,940	$ 1,724,199	$ 1,524,891	$ 199,307
36	G42 High Annual-High Winter	$ 35,393	$ 107,732	$ 146,035	$ 116,064	$ 72,583	$ 10,070	$ -	$ -	$ 79,975	$ 13,072	$ -	$ -	$ 580,925	$ 487,878	$ 93,047
37	Non-Grandfathered T50 Low Annual-Low Winter	$ 8,855	$ 14,752	$ 17,791	$ 14,916	$ 11,907	$ 8,160	$ 2,681	$ 473	$ 39	$ 6	$ 1,159	$ 5,310	$ 86,047	$ 76,380	$ 9,667
38	Non-Grandfathered T40 Low Annual-High Winter	$ 30,901	$ 51,699	$ 62,334	$ 52,013	$ 41,703	$ 28,414	$ 9,410	$ 1,521	$ 777	$ 127	$ 3,915	$ 18,606	$ 301,419	$ 267,063	$ 34,356
39	Non-Grandfathered T51 Med Annual-Low Winter	$ 12,741	$ 19,686	$ 23,706	$ 21,662	$ 15,910	$ 12,015	$ 3,515	$ 1,645	$ 2,883	$ 471	$ 2,487	$ 3,546	$ 120,268	$ 105,721	$ 14,547
40	Non-Grandfathered T41 Med Annual-High Winter	$ 137,577	$ 229,590	$ 276,838	$ 231,630	$ 185,234	$ 126,586	$ 41,773	$ 7,139	$ 943	$ 154	$ 17,716	$ 82,611	$ 1,337,791	$ 1,187,454	$ 150,337
41	Non-Grandfathered T52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 452	$ 74	$ 405	$ 313	$ 1,243	$ -	$ 1,243
42	Non-Grandfathered T42 High Annual-High Winter	$ 59,956	$ 101,839	$ 123,366	$ 102,951	$ 81,654	$ 54,352	$ 15,814	$ -	$ 5,453	$ 891	$ 4,746	$ 34,261	$ 585,284	$ 524,119	$ 61,165
43																
44	TOTAL	$ 2,612,396	$ 4,405,042	$ 5,329,129	$ 4,462,911	$ 3,538,238	$ 2,381,028	$ 772,328	$ 131,503	$ 152,530	$ 24,932	$ 330,486	$ 1,524,652	$ 25,665,177	$ 22,728,745	$ 2,936,432
45																
46	Residential															
47	SALES HLF CLASSES	$ 966,252	$ 1,616,367	$ 1,950,152	$ 1,630,837	$ 1,303,010	$ 887,340	$ 291,333	$ 44,782	$ 26,622	$ 4,352	$ 120,216	$ 581,046	$ 9,422,310	$ 8,353,957	$ 1,068,353
48	SALES LLF CLASSES	$ 280,017	$ 452,120	$ 544,753	$ 474,311	$ 365,110	$ 261,211	$ 78,101	$ 24,822	$ 16,922	$ 2,766	$ 44,948	$ 146,851	$ 2,691,934	$ 2,377,523	$ 314,411
49	Non-Grandfathered HLF CLASSES	$ 1,116,097	$ 1,918,990	$ 2,330,188	$ 1,934,591	$ 1,533,711	$ 1,002,951	$ 329,700	$ 51,121	$ 98,439	$ 16,091	$ 134,894	$ 652,108	$ 11,118,881	$ 9,836,529	$ 1,282,352
50	Non-Grandfathered LLF CLASSES	$ 21,596	$ 34,438	$ 41,497	$ 36,578	$ 27,817	$ 20,175	$ 6,196	$ 2,117	$ 3,374	$ 551	$ 4,051	$ 9,168	$ 207,558	$ 182,101	$ 25,457
51		$ 228,433	$ 383,127	$ 462,539	$ 386,594	$ 308,591	$ 209,352	$ 66,998	$ 8,660	$ 7,172	$ 1,172	$ 26,377	$ 135,478	$ 2,224,494	$ 1,978,636	$ 245,858
52																

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Northern Utilitie[s] [N]EW HAMPSHIRE DIVISION
Simplified Mark[et] [A]d Allocator (SMBA) Calculations
Cost Summary

Schedule JAF-1[7]

Summary of Gas Costs

Line		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER		SUMMER
1	TOTAL COMMODITY																
2	Res Heat	$1,270,182	$1,947,263	$ 2,290,080	$1,949,443	$1,638,411	$1,187,098	$ 561,424	$ 304,028	$ 297,037	$ 255,256	$ 394,053	$ 868,523	$12,962,798	$10,282,477		$ 2,680,321
3	Res General	$ 24,332	$ 30,120	$ 33,032	$ 30,395	$ 28,108	$ 23,602	$ 17,106	$ 15,221	$ 17,139	$ 13,788	$ 16,561	$ 20,166	$ 269,571	$ 169,589		$ 99,982
4	G50 Low Annual-Low Winter	$ 151,194	$ 172,724	$ 183,233	$ 174,926	$ 168,326	$ 149,285	$ 115,947	$ 114,459	$ 117,511	$ 114,390	$ 121,871	$ 121,043	$ 1,704,909	$ 999,689		$ 705,220
5	G40 Low Annual-High Winter	$ 624,154	$ 996,456	$ 1,185,043	$ 996,189	$ 823,018	$ 579,104	$ 240,228	$ 97,917	$ 84,020	$ 70,970	$ 143,824	$ 405,980	$ 6,246,902	$ 5,203,964		$ 1,042,938
6	G51 Med Annual-Low Winter	$ 306,952	$ 375,342	$ 409,805	$ 378,944	$ 352,318	$ 298,757	$ 219,204	$ 197,582	$ 204,383	$ 192,361	$ 213,988	$ 250,816	$ 3,400,451	$ 2,122,118		$ 1,278,333
7	G41 Med Annual-High Winter	$ 657,781	$1,036,112	$ 1,227,741	$1,036,282	$ 860,949	$ 612,003	$ 265,529	$ 121,458	$ 99,601	$ 103,381	$ 169,089	$ 434,719	$ 6,624,646	$ 5,430,868		$ 1,193,778
8	G52 High Annual-Low Winter	$ 250,775	$ 375,754	$ 439,023	$ 376,444	$ 319,424	$ 235,669	$ 118,199	$ 71,398	$ 64,554	$ 66,815	$ 88,520	$ 175,178	$ 2,581,755	$ 1,997,089		$ 584,665
9	G42 High Annual-High Winter	$ 199,526	$ 288,242	$ 332,518	$ 290,568	$ 254,340	$ 171,753	$ 87,941	$ 31,853	$ 223,754	$ 75,786	$ 60,139	$ 126,027	$ 2,142,447	$ 1,536,947		$ 605,500
10	Non-Grandfathered T50 Low Annual-Low Winter	$ 12,388	$ 18,638	$ 21,806	$ 18,673	$ 15,820	$ 11,640	$ 5,772	$ 3,427	$ 3,094	$ 3,155	$ 4,285	$ 8,621	$ 127,320	$ 98,965		$ 28,355
11	Non-Grandfathered T40 Low Annual-High Winter	$ 38,688	$ 60,263	$ 71,182	$ 60,292	$ 50,327	$ 36,085	$ 16,223	$ 8,032	$ 7,598	$ 6,255	$ 10,804	$ 25,904	$ 391,654	$ 316,837		$ 74,817
12	Non-Grandfathered T51 Med Annual-Low Winter	$ 50,097	$ 60,770	$ 66,149	$ 61,378	$ 57,277	$ 48,813	$ 36,198	$ 32,879	$ 35,606	$ 30,746	$ 35,534	$ 38,555	$ 554,003	$ 344,484		$ 209,519
13	Non-Grandfathered T41 Med Annual-High Winter	$ 183,712	$ 280,328	$ 329,255	$ 280,681	$ 236,323	$ 172,032	$ 82,137	$ 45,714	$ 41,357	$ 40,279	$ 58,530	$ 125,848	$ 1,876,197	$ 1,482,332		$ 393,866
14	Non-Grandfathered T52 High Annual-Low Winter	$ 8,754	$ 10,233	$ 12,106	$ 11,986	$ 10,465	$ 9,776	$ 7,103	$ 7,797	$ 10,337	$ 9,657	$ 10,388	$ 10,888	$ 119,490	$ 63,320		$ 56,170
15	Non-Grandfathered T42 High Annual-High Winter	$ 84,560	$ 128,897	$ 151,320	$ 129,109	$ 108,899	$ 78,588	$ 37,340	$ 20,322	$ 27,005	$ 17,119	$ 26,511	$ 57,319	$ 866,989	$ 681,373		$ 185,616
16																	
17	TOTAL	$3,863,095	$5,781,142	$ 6,752,294	$5,795,310	$4,924,005	$3,614,206	$1,810,350	$1,072,087	$1,232,998	$ 999,958	$1,354,098	$2,669,590	$39,869,132	$30,730,052		$ 9,139,080
18																	
19	Residential																
20	SALES HLF CLASSES	$1,294,514	$1,977,382	$ 2,323,113	$1,979,838	$1,666,519	$1,210,700	$ 578,530	$ 319,250	$ 314,176	$ 269,044	$ 410,614	$ 888,689	$13,232,370	$10,452,067		$ 2,780,303
21	SALES LLF CLASSES	$ 708,921	$ 923,821	$ 1,032,061	$ 930,314	$ 840,068	$ 683,711	$ 453,349	$ 383,439	$ 386,448	$ 373,567	$ 424,380	$ 547,037	$ 7,687,115	$ 5,118,896	30%	$ 2,568,219
22	Non-Grandfathered HLF CLASSES	$1,481,461	$2,320,810	$ 2,745,303	$2,323,039	$1,938,307	$1,362,860	$ 593,698	$ 251,228	$ 407,375	$ 250,137	$ 373,052	$ 966,727	$15,013,995	$12,171,779	70%	$ 2,842,216
23	Non-Grandfathered LLF CLASSES	$ 306,959	$ 469,489	$ 551,758	$ 470,082	$ 395,549	$ 286,705	$ 135,700	$ 74,068	$ 75,961	$ 63,652	$ 95,845	$ 209,072	$ 3,134,840	$ 2,480,542		$ 654,298
24																	
25																	
26																	
27	BASE CAPACITY																
28	Res Heat	$ 14,024	$ 14,018	$ 14,003	$ 13,996	$ 14,016	$ 14,011	$ 14,784	$ 15,592	$ 14,221	$ 14,537	$ 15,159	$ 14,357	$ 172,719	$ 84,069		$ 88,650
29	Res General	$ 784	$ 783	$ 783	$ 782	$ 783	$ 783	$ 826	$ 871	$ 795	$ 780	$ 847	$ 802	$ 9,619	$ 4,698		$ 4,921
30	G50 Low Annual-Low Winter	$ 5,912	$ 5,909	$ 5,903	$ 5,900	$ 5,909	$ 5,906	$ 6,232	$ 6,573	$ 5,995	$ 6,593	$ 6,390	$ 5,965	$ 73,187	$ 35,439		$ 37,748
31	G40 Low Annual-High Winter	$ 3,933	$ 3,932	$ 3,928	$ 3,926	$ 3,931	$ 3,930	$ 4,147	$ 4,373	$ 3,989	$ 4,034	$ 4,252	$ 4,027	$ 48,401	$ 23,579		$ 24,822
32	G51 Med Annual-Low Winter	$ 10,103	$ 10,099	$ 10,088	$ 10,083	$ 10,098	$ 10,094	$ 10,651	$ 11,233	$ 10,245	$ 11,053	$ 10,921	$ 10,344	$ 125,012	$ 60,566		$ 64,446
33	G41 Med Annual-High Winter	$ 5,144	$ 5,142	$ 5,136	$ 5,134	$ 5,141	$ 5,139	$ 5,423	$ 5,719	$ 4,636	$ 5,880	$ 5,560	$ 5,266	$ 63,320	$ 30,836		$ 32,484
34	G52 High Annual-Low Winter	$ 3,333	$ 3,331	$ 3,328	$ 3,326	$ 3,331	$ 3,330	$ 3,513	$ 3,705	$ 3,056	$ 3,809	$ 3,602	$ 3,412	$ 41,076	$ 19,978		$ 21,098
35	G42 High Annual-High Winter	$ 7,404	$ 7,401	$ 7,393	$ 7,389	$ 7,400	$ 7,397	$ 4,780	$ 1,911	$ 7,508	$ 3,629	$ 3,315	$ 6,210	$ 71,736	$ 44,384		$ 27,352
36	Non-Grandfathered T50 Low Annual-Low Winter	$ 159	$ 159	$ 159	$ 159	$ 159	$ 159	$ 168	$ 177	$ 160	$ 182	$ 172	$ 163	$ 1,978	$ 956		$ 1,022
37	Non-Grandfathered T40 Low Annual-High Winter	$ 351	$ 351	$ 351	$ 351	$ 351	$ 351	$ 370	$ 391	$ 356	$ 355	$ 380	$ 360	$ 4,317	$ 2,106		$ 2,211
38	Non-Grandfathered T51 Med Annual-Low Winter	$ 1,685	$ 1,684	$ 1,683	$ 1,682	$ 1,684	$ 1,684	$ 1,776	$ 1,874	$ 1,709	$ 1,752	$ 1,821	$ 1,725	$ 20,759	$ 10,102		$ 10,657
39	Non-Grandfathered T41 Med Annual-High Winter	$ 2,081	$ 2,080	$ 2,078	$ 2,077	$ 2,080	$ 2,079	$ 2,194	$ 2,314	$ 2,110	$ 2,322	$ 2,250	$ 2,131	$ 25,796	$ 12,476		$ 13,320
40	Non-Grandfathered T52 High Annual-Low Winter	$ 395	$ 420	$ 480	$ 508	$ 426	$ 447	$ 386	$ 468	$ 516	$ 555	$ 550	$ 521	$ 5,671	$ 2,675		$ 2,996
41	Non-Grandfathered T42 High Annual-High Winter	$ 1,110	$ 1,109	$ 1,108	$ 1,108	$ 1,109	$ 1,109	$ 1,170	$ 1,219	$ 1,125	$ 939	$ 1,200	$ 1,136	$ 13,442	$ 6,653		$ 6,789
42																	
43	TOTAL	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 677,033	$ 338,516		$ 338,517
44																	
45	Residential																
46	SALES HLF CLASSES	$ 14,808	$ 14,801	$ 14,785	$ 14,778	$ 14,800	$ 14,794	$ 15,610	$ 16,463	$ 15,015	$ 15,316	$ 16,006	$ 15,160	$ 182,338	$ 88,767		$ 93,571
47	SALES LLF CLASSES	$ 19,348	$ 19,339	$ 19,319	$ 19,309	$ 19,337	$ 19,330	$ 20,396	$ 21,511	$ 19,296	$ 21,456	$ 20,913	$ 19,720	$ 239,275	$ 115,982		$ 123,293
48	Non-Grandfathered HLF CLASSES	$ 16,482	$ 16,474	$ 16,457	$ 16,449	$ 16,472	$ 16,466	$ 14,349	$ 12,003	$ 16,132	$ 13,543	$ 13,127	$ 15,504	$ 183,457	$ 98,800		$ 84,657
49	Non-Grandfathered LLF CLASSES	$ 2,239	$ 2,263	$ 2,322	$ 2,348	$ 2,270	$ 2,290	$ 2,330	$ 2,518	$ 2,384	$ 2,489	$ 2,544	$ 2,410	$ 28,408	$ 13,732		$ 14,676
50		$ 3,542	$ 3,541	$ 3,537	$ 3,535	$ 3,540	$ 3,539	$ 3,734	$ 3,923	$ 3,592	$ 3,615	$ 3,829	$ 3,627	$ 43,555	$ 21,235		$ 22,320
51																	

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Summary of Gas Costs

Line		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER		SUMMER
1	REMAINING CAPACITY																
2	Res Heat	$ 379,515	$ 833,137	$ 1,567,024	$ 856,844	$ 598,640	$ 262,377	$ 76,791	$ 9,051	$ 11,062	$ 1,255	$ 27,437	$ 157,308	$ 4,780,441	$ 4,497,536		$ 282,905
3	Res General	$ 2,055	$ 4,511	$ 8,484	$ 4,639	$ 3,241	$ 1,420	$ 416	$ 49	$ 60	$ 7	$ 149	$ 852	$ 25,881	$ 24,349		$ 1,532
5	G50 Low Annual-Low Winter	$ 6,649	$ 14,596	$ 27,452	$ 15,011	$ 10,487	$ 4,597	$ 1,345	$ 159	$ 194	$ 22	$ 481	$ 2,756	$ 83,747	$ 78,791		$ 4,956
6	G40 Low Annual-High Winter	$ 212,931	$ 467,440	$ 879,195	$ 480,741	$ 335,873	$ 147,209	$ 43,084	$ 5,078	$ 6,207	$ 704	$ 15,394	$ 88,259	$ 2,682,116	$ 2,523,389		$ 158,727
7	G51 Med Annual-Low Winter	$ 34,678	$ 76,127	$ 143,184	$ 78,293	$ 54,700	$ 23,974	$ 7,017	$ 827	$ 1,011	$ 115	$ 2,507	$ 14,374	$ 436,805	$ 410,955		$ 25,850
8	G41 Med Annual-High Winter	$ 210,527	$ 462,164	$ 869,271	$ 475,314	$ 332,082	$ 145,547	$ 42,598	$ 5,021	$ 6,137	$ 696	$ 15,220	$ 87,263	$ 2,651,840	$ 2,494,905		$ 156,935
9	G52 High Annual-Low Winter	$ 22,291	$ 48,935	$ 92,041	$ 50,328	$ 35,162	$ 15,411	$ 4,510	$ 532	$ 650	$ 74	$ 1,612	$ 9,240	$ 280,786	$ 264,169		$ 16,617
10	G42 High Annual-High Winter	$ 69,471	$ 152,508	$ 286,849	$ 156,848	$ 109,583	$ 48,029	$ 14,057	$ 1,657	$ 2,025	$ 230	$ 5,023	$ 28,796	$ 875,075	$ 823,289		$ 51,787
11	Non-Grandfathered T50 Low Annuel-Low Winter	$ 1,027	$ 2,255	$ 4,242	$ 2,319	$ 1,621	$ 710	$ 208	$ 25	$ 30	$ 3	$ 74	$ 426	$ 12,941	$ 12,175		$ 766
12	Non-Grandfathered T40 Low Annual-High Winter	$ 5,466	$ 12,000	$ 22,570	$ 12,341	$ 8,622	$ 3,779	$ 1,106	$ 130	$ 159	$ 18	$ 395	$ 2,266	$ 68,854	$ 64,779		$ 4,075
13	Non-Grandfathered T51 Med Annual-Low Winter	$ 6,125	$ 13,447	$ 25,291	$ 13,829	$ 9,662	$ 4,235	$ 1,239	$ 146	$ 179	$ 20	$ 443	$ 2,539	$ 77,155	$ 72,589		$ 4,566
14	Non-Grandfathered T41 Med Annual-High Winter	$ 45,397	$ 99,658	$ 187,444	$ 102,494	$ 71,608	$ 31,385	$ 9,186	$ 1,083	$ 1,323	$ 150	$ 3,282	$ 18,817	$ 571,827	$ 537,986		$ 33,841
15	Non-Grandfathered T52 High Annuel-Low Winter	$ 582	$ 1,277	$ 2,401	$ 1,313	$ 917	$ 402	$ 118	$ 14	$ 17	$ 2	$ 42	$ 241	$ 7,325	$ 6,891		$ 433
16	Non-Grandfathered T42 High Annual-High Winter	$ 11,688	$ 25,659	$ 48,262	$ 26,389	$ 18,437	$ 8,081	$ 2,365	$ 279	$ 341	$ 39	$ 845	$ 4,845	$ 147,229	$ 138,516		$ 8,713
17																	
18	TOTAL	$ 1,008,403	$ 2,213,714	$ 4,163,711	$ 2,276,704	$ 1,590,634	$ 697,156	$ 204,040	$ 24,049	$ 29,393	$ 3,335	$ 72,903	$ 417,981	$ 12,702,023	$ 11,950,321		$ 751,702
19																	
20	Residential	$ 381,570	$ 837,648	$ 1,575,508	$ 861,483	$ 601,881	$ 263,797	$ 77,207	$ 9,100	$ 11,122	$ 1,262	$ 27,586	$ 158,160	$ 4,806,323	$ 4,521,886		$ 284,437
21	SALES HLF CLASSES	$ 63,618	$ 139,658	$ 262,678	$ 143,632	$ 100,349	$ 43,982	$ 12,872	$ 1,517	$ 1,854	$ 210	$ 4,599	$ 26,369	$ 801,339	$ 753,916		$ 47,423
22	SALES LLF CLASSES	$ 492,930	$ 1,082,112	$ 2,035,315	$ 1,112,903	$ 777,537	$ 340,785	$ 99,739	$ 11,756	$ 14,368	$ 1,630	$ 35,637	$ 204,318	$ 6,209,031	$ 5,841,583		$ 367,448
23	Non-Grandfathered HLF CLASSES	$ 7,734	$ 16,978	$ 31,934	$ 17,462	$ 12,200	$ 5,347	$ 1,565	$ 184	$ 225	$ 26	$ 559	$ 3,206	$ 97,421	$ 91,655		$ 5,768
24	Non-Grandfathered LLF CLASSES	$ 62,551	$ 137,317	$ 258,276	$ 141,225	$ 98,667	$ 43,245	$ 12,657	$ 1,492	$ 1,823	$ 207	$ 4,522	$ 25,927	$ 787,910	$ 741,281		$ 46,628
25																	
26																	
27	TOTAL CAPACITY																
28	Res Heat	$ 393,539	$ 847,155	$ 1,581,027	$ 870,840	$ 612,656	$ 276,388	$ 91,575	$ 24,643	$ 25,283	$ 15,792	$ 42,596	$ 171,666	$ 4,953,160	$ 4,581,605		$ 371,555
29	Res General	$ 2,838	$ 5,294	$ 9,266	$ 5,421	$ 4,024	$ 2,203	$ 1,242	$ 920	$ 855	$ 786	$ 996	$ 1,654	$ 35,500	$ 29,047		$ 6,453
30	G50 Low Annual-Low Winter	$ 12,561	$ 20,505	$ 33,355	$ 20,911	$ 16,396	$ 10,503	$ 7,577	$ 6,731	$ 6,188	$ 6,615	$ 6,871	$ 8,721	$ 156,934	$ 114,230		$ 42,704
31	G40 Low Annual-High Winter	$ 216,864	$ 471,372	$ 883,123	$ 484,667	$ 339,804	$ 151,139	$ 47,231	$ 9,451	$ 10,195	$ 4,739	$ 19,646	$ 92,286	$ 2,730,517	$ 2,546,969		$ 183,548
32	G51 Med Annual-Low Winter	$ 44,781	$ 86,226	$ 153,272	$ 88,376	$ 64,798	$ 34,068	$ 17,667	$ 12,060	$ 11,256	$ 11,168	$ 13,428	$ 24,717	$ 561,817	$ 471,521		$ 90,296
33	G41 Med Annual-High Winter	$ 215,671	$ 467,306	$ 874,407	$ 480,448	$ 337,223	$ 150,687	$ 48,021	$ 10,740	$ 10,772	$ 6,576	$ 20,781	$ 92,529	$ 2,715,160	$ 2,525,741		$ 189,419
34	G52 High Annual-Low Winter	$ 25,624	$ 52,267	$ 95,369	$ 53,654	$ 38,493	$ 18,741	$ 8,024	$ 4,237	$ 3,706	$ 3,883	$ 5,214	$ 12,652	$ 321,862	$ 284,147		$ 37,715
35	G42 High Annual-High Winter	$ 76,876	$ 159,909	$ 294,242	$ 164,237	$ 116,983	$ 55,426	$ 18,837	$ 3,567	$ 9,533	$ 3,859	$ 8,337	$ 35,006	$ 946,812	$ 867,673		$ 79,139
36	Non-Grandfathered T50 Low Annual-Low Winter	$ 1,187	$ 2,415	$ 4,401	$ 2,479	$ 1,780	$ 869	$ 376	$ 202	$ 190	$ 186	$ 247	$ 589	$ 14,919	$ 13,130		$ 1,789
37	Non-Grandfathered T40 Low Annual-High Winter	$ 5,818	$ 12,351	$ 22,921	$ 12,692	$ 8,973	$ 4,130	$ 1,476	$ 521	$ 516	$ 373	$ 775	$ 2,625	$ 73,170	$ 66,885		$ 6,285
38	Non-Grandfathered T51 Med Annual-Low Winter	$ 7,810	$ 15,131	$ 26,974	$ 15,511	$ 11,346	$ 5,918	$ 3,016	$ 2,020	$ 1,887	$ 1,772	$ 2,264	$ 4,264	$ 97,914	$ 82,691		$ 15,223
39	Non-Grandfathered T41 Med Annual-High Winter	$ 47,478	$ 101,738	$ 189,522	$ 104,571	$ 73,688	$ 33,464	$ 11,379	$ 3,397	$ 3,434	$ 2,472	$ 5,532	$ 20,948	$ 597,622	$ 550,462		$ 47,160
40	Non-Grandfathered T52 High Annuel-Low Winter	$ 976	$ 1,696	$ 2,881	$ 1,820	$ 1,343	$ 849	$ 504	$ 482	$ 533	$ 556	$ 592	$ 762	$ 12,996	$ 9,567		$ 3,429
41	Non-Grandfathered T42 High Annual-High Winter	$ 12,798	$ 26,769	$ 49,370	$ 27,497	$ 19,546	$ 9,190	$ 3,535	$ 1,498	$ 1,466	$ 978	$ 2,045	$ 5,981	$ 160,672	$ 145,170		$ 15,502
42																	
43	TOTAL	$ 1,064,822	$ 2,270,133	$ 4,220,131	$ 2,333,123	$ 1,647,054	$ 753,575	$ 260,459	$ 80,469	$ 85,813	$ 59,755	$ 129,323	$ 474,400	$ 13,379,055	$ 12,288,837		$ 1,090,218
44																	
45	Residential	$ 396,378	$ 852,449	$ 1,590,294	$ 876,261	$ 616,680	$ 278,591	$ 92,817	$ 25,563	$ 26,137	$ 16,578	$ 43,592	$ 173,320	$ 4,988,660	$ 4,610,653		$ 378,007
46	SALES HLF CLASSES	$ 82,966	$ 158,997	$ 281,997	$ 162,941	$ 119,686	$ 63,312	$ 33,268	$ 23,028	$ 21,150	$ 21,667	$ 25,513	$ 46,089	$ 1,040,613	$ 869,898	13%	$ 170,715
47	SALES LLF CLASSES	$ 509,411	$ 1,098,587	$ 2,051,771	$ 1,129,352	$ 794,010	$ 357,252	$ 114,088	$ 23,759	$ 30,500	$ 15,173	$ 48,764	$ 219,822	$ 6,392,489	$ 5,940,383	87%	$ 452,106
48	Non-Grandfathered HLF CLASSES	$ 9,974	$ 19,242	$ 34,256	$ 19,810	$ 14,469	$ 7,637	$ 3,895	$ 2,703	$ 2,610	$ 2,514	$ 3,103	$ 5,615	$ 125,828	$ 105,388		$ 20,440
49	Non-Grandfathered LLF CLASSES	$ 66,094	$ 140,858	$ 261,813	$ 144,760	$ 102,208	$ 46,784	$ 16,391	$ 5,415	$ 5,415	$ 3,822	$ 8,351	$ 29,554	$ 831,465	$ 762,516		$ 68,949
															91.62%		8.38

D-7-9

Northern Utiliti Y HAMPSHIRE DIVISION
Simplified Mark d Alloctor (SMBA) Calculations
Cost Summary

Schedule JAF-12

Summary of Gas Costs

Line		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
1	TOTAL COMMODITY AND CAPACITY															
2	Res Heat	$ 1,663,721	$ 2,794,418	$ 3,871,108	$ 2,820,283	$ 2,251,067	$ 1,463,486	$ 652,998	$ 328,671	$ 322,320	$ 271,048	$ 436,650	$ 1,040,189	$ 17,915,958	$ 14,864,082	$ 3,051,876
3	Res General	$ 27,171	$ 35,413	$ 42,299	$ 35,816	$ 32,132	$ 25,805	$ 18,348	$ 16,142	$ 17,994	$ 14,575	$ 17,556	$ 21,820	$ 305,072	$ 198,637	$ 106,435
4	G50 Low Annual-Low Winter	$ 163,755	$ 193,229	$ 216,588	$ 195,837	$ 184,722	$ 159,788	$ 123,524	$ 121,190	$ 123,699	$ 121,005	$ 128,742	$ 129,764	$ 1,861,843	$ 1,113,919	$ 747,924
5	G40 Low Annual-High Winter	$ 841,018	$ 1,467,828	$ 2,068,166	$ 1,480,856	$ 1,162,822	$ 730,243	$ 287,458	$ 107,369	$ 94,215	$ 75,708	$ 163,470	$ 498,266	$ 8,977,419	$ 7,750,933	$ 1,226,486
6	G51 Med Annual-Low Winter	$ 351,733	$ 461,568	$ 563,077	$ 467,320	$ 417,115	$ 332,825	$ 236,871	$ 209,642	$ 215,638	$ 203,529	$ 227,416	$ 275,533	$ 3,962,268	$ 2,593,639	$ 1,368,630
7	G41 Med Annual-High Winter	$ 873,453	$ 1,503,417	$ 2,102,148	$ 1,516,730	$ 1,198,171	$ 762,690	$ 313,550	$ 132,198	$ 110,373	$ 109,957	$ 189,870	$ 527,249	$ 9,339,806	$ 7,956,610	$ 1,383,196
8	G52 High Annual-Low Winter	$ 276,399	$ 428,021	$ 534,392	$ 430,097	$ 357,917	$ 254,410	$ 126,223	$ 75,635	$ 68,260	$ 70,698	$ 93,734	$ 187,829	$ 2,903,616	$ 2,281,236	$ 622,380
9	G42 High Annual-High Winter	$ 276,402	$ 448,152	$ 626,760	$ 454,805	$ 371,323	$ 227,179	$ 106,778	$ 35,420	$ 233,287	$ 79,645	$ 68,476	$ 161,034	$ 3,089,259	$ 2,404,620	$ 684,639
10	Non-Grandfathered T50 Low Annual-Low Winter	$ 13,575	$ 21,052	$ 26,207	$ 21,151	$ 17,600	$ 12,510	$ 6,148	$ 3,629	$ 3,284	$ 3,341	$ 4,532	$ 9,210	$ 142,238	$ 112,095	$ 30,143
11	Non-Grandfathered T40 Low Annual-High Winter	$ 44,505	$ 72,614	$ 94,103	$ 72,984	$ 59,300	$ 40,215	$ 17,700	$ 8,553	$ 8,114	$ 6,627	$ 11,579	$ 28,529	$ 464,824	$ 383,722	$ 81,102
12	Non-Grandfathered T51 Med Annual-Low Winter	$ 57,908	$ 75,901	$ 93,123	$ 76,889	$ 68,623	$ 54,732	$ 39,214	$ 34,899	$ 37,494	$ 32,518	$ 37,798	$ 42,819	$ 651,916	$ 427,175	$ 224,742
13	Non-Grandfathered T41 Med Annual-High Winter	$ 231,190	$ 382,067	$ 518,778	$ 385,251	$ 310,011	$ 205,496	$ 93,517	$ 49,111	$ 44,791	$ 42,751	$ 64,062	$ 146,796	$ 2,473,820	$ 2,032,794	$ 441,026
14	Non-Grandfathered T52 High Annual-Low Winter	$ 9,730	$ 11,930	$ 14,987	$ 13,806	$ 11,808	$ 10,625	$ 7,606	$ 8,278	$ 10,871	$ 10,213	$ 10,980	$ 11,651	$ 132,485	$ 72,886	$ 59,599
15	Non-Grandfathered T42 High Annual-High Winter	$ 97,358	$ 155,666	$ 200,690	$ 156,606	$ 128,446	$ 87,777	$ 40,875	$ 21,819	$ 28,471	$ 18,096	$ 28,556	$ 63,300	$ 1,027,661	$ 826,543	$ 201,118
16																
17	TOTAL	$ 4,927,917	$ 8,051,275	$ 10,972,425	$ 8,128,433	$ 6,571,058	$ 4,367,781	$ 2,070,809	$ 1,152,555	$ 1,318,810	$ 1,059,713	$ 1,483,421	$ 3,143,990	$ 53,248,188	$ 43,018,890	$ 10,229,298
18																
19	Residential	$ 1,690,892	$ 2,829,831	$ 3,913,406	$ 2,856,099	$ 2,283,200	$ 1,489,291	$ 671,346	$ 344,813	$ 340,314	$ 285,623	$ 454,206	$ 1,062,009	$ 18,221,030	$ 15,062,719	$ 3,158,311
20	SALES HLF CLASSES	$ 791,887	$ 1,082,818	$ 1,314,057	$ 1,093,255	$ 959,755	$ 747,023	$ 486,618	$ 406,467	$ 407,598	$ 395,233	$ 449,893	$ 593,126	$ 8,727,728	$ 5,988,794	$ 2,738,934
21	SALES LLF CLASSES	$ 1,990,872	$ 3,419,397	$ 4,797,074	$ 3,452,391	$ 2,732,317	$ 1,720,111	$ 707,786	$ 274,986	$ 437,875	$ 265,310	$ 421,816	$ 1,186,549	$ 21,406,484	$ 18,112,162	$ 3,294,322
22	Non-Grandfathered HLF CLASSES	$ 81,213	$ 108,883	$ 134,316	$ 111,847	$ 98,031	$ 77,867	$ 52,968	$ 46,806	$ 51,648	$ 46,072	$ 53,310	$ 63,680	$ 926,640	$ 612,156	$ 314,484
23	Non-Grandfathered LLF CLASSES	$ 373,053	$ 610,347	$ 813,571	$ 614,842	$ 497,757	$ 333,489	$ 152,091	$ 79,483	$ 81,376	$ 67,474	$ 104,197	$ 238,626	$ 3,966,305	$ 3,243,058	$ 723,247

S7-D

CALCULATION OF COST OF GAS ADJUSTMENT
New Hampshire Division
Period Covered: May 1, 2007 - October 31 2007
Anticipated Cost of Delivered and Produced Gas

Delivered:	Therms	Rate	Amount
Product: - Commodity			
Granite State Supply	4,962,687	$0.858	$4,257,406
Domestic Supply	6,249,585	$0.780	$ 4,872,443
Storage Withdrawals	0	$0.000	$ -
Peaking Supply	48,614	$0.863	$ 41,955
Hedging (Gain)/Loss			$126,764
Interruptible Included Above			$ (32,724)
Product: - Demand			
Granite State and Others			$52,365
Pipeline Reservation			
Granite State and Others			$532,099
Storage & Peaking Demand			
Tennessee and Others			$505,754
Capacity Release			$0
Less: Unaccounted For, Company Use & Interruptible Volumes	(231,266)		$0
TOTAL Anticipated Cost of Gas	**11,029,620**	**$0.9389**	**$10,356,062**

Issued: March 15, 2007
Effective Date: May 1, 2007
Authorized by NHPUC Order No. In Case No. dated

Issued by: Stephen H. Bryant
Title: President

Calculation of Anticipated Indirect Cost of Gas-New Hampshire Division

Working Capital Calculation	
Total Anticipated Direct Cost of Gas-Commodity	$9,265,844
Total Anticipated Direct Cost of Gas-Demand	$1,090,218
Interruptible Profits	
LESS Anticipated Direct Costs assigned to Non-Grandfathered Transportatic	($1,046,908)
Total Direct Cost of Gas	$9,309,154
Total Direct gas Costs	$9,309,154
Working Capital Percentage (NHPUC No. 10 Section 4.06.1)	0.19%
Working Capital Allowance (NHPUC No. 10 Section 4.06.1)	$17,687
Plus: Working Capital Reconciliation	($2,238)
Total Working Capital Allowance	**$15,449**

Bad Debt Calculation	
Total Anticipated Direct Cost of Gas	$9,309,154
Plus: Total Working Capital	$15,449
Subtotal	$9,324,603
Bad Debt Percentage (NHPUC No. 10 Section 4.06.1)	0.45%
Total Bad Debt Allowance	$41,961
Plus: Bad Debt Reconciliation	($5,230)
Total Bad Debt Allowance	**$36,731**

	$$
Working Capital Allowance	$15,449
Bad Debt Allowance	$36,731
Miscellaneous Overhead-23.2% Allocated to Summer Season	$28,837
Production and Storage Capacity	$0
Prior Period Under/(Over) Collection	($633,021)
Refunds	$0
Interest	($25,124)
Total Anticipated Indirect Cost of Gas	($577,128)
Total Anticipated Direct Cost of Gas-Commodity	$9,265,844
Total Anticipated Direct Cost of Gas-Demand	$1,090,218
Total Anticipated Period Cost of Gas	$9,778,934
Forecasted Off-Peak Period Therms-Firm	9,882,850
Forecasted Non-Grandfathered Therms	1,146,770
Forecasted Therms-Total	11,029,620

	Residential	**C&I Low Winter**	**C&I High Winter**
Forecasted Summer Season Cost of Gas Rate:			
COGs-Commodity	$0.8401	$0.8303	$0.8429
COGs-Demand	$0.0988	$0.0587	$0.1427
COGs-Indirect	($0.0584)	($0.0584)	($0.0584)
COGs-Total	**$0.8805**	**$0.8306**	**$0.9272**

Issued: March 15, 2007
Effective: With Service Rendered On and After May 1, 2007

Issued by: Stephen H. Bryant
Title: President

Northern Utilities - NEW HAMPSHIRE DIVISION
Calculation of Summer Period Gas Cost Factor
Effective May 2007

Line No.	Firm Sales Service	R-1 & R-2 Residential	G-50,51, 52 Low Winter Classes	G-40,41,42 High Winter Classes	Non-Grandfathered Transp.	Total
1	Summer Demand Costs -	$331,116	$183,568	$486,144	$89,389	$1,090,218
2	Forecasted Sales (MMBtu)	3,349,870	3,125,770	3,407,210	1,146,770	11,029,620
3	**Unit Summer Demand Cost (Ln 1 divided by Ln 2) COGs-Demand**	**$0.0988**	**$0.0587**	**$0.1427**		**$0.0988**
4	Summer Commodity Costs -	$2,775,683	$2,570,412	$2,844,643	$948,342	$9,139,080
5	Hedging (Gain)/Losses	$38,500	$25,014	$27,266	$9,177	$126,764
6	**Total Commodity**	$2,814,183	$2,595,426	$2,871,909	$957,519	$9,265,844
5	Forecasted Sales (MMBtu) -	3,349,870	3,125,770	3,407,210	1,146,770	11,029,620
6	**Unit Summer Commodity Cost (Ln 4 divided by Ln 5) COGs-Commodity**	**$0.8401**	**$0.8303**	**$0.8429**		**$0.8401**
7	Indirect Gas Costs					-$577,128
8	Forecasted Sales (MMBtu) -					9,882,850
9	**Indirect Cost of Gas (Ln 7 divided by Ln 8)** COGs-Indirect	**($0.0584)**	**($0.0584)**	**($0.0584)**		**-$0.0584**
10	Total Cost of Gas (COGs)	**$0.8805**	**$0.8306**	**$0.9272**		$9,652,170

Northern Utilities - NEW HAMPSHIRE DIVISION
Summary of Costs to Winter and Summer Seasons

No	Description (1)	Nov - Apr (2)	May - Oct (3)	Total (4) = (2)+ (3)
	DEMAND:			
1	Pipeline/Product Charges	$4,248,510	$584,464	$4,832,973
2	Capacity Credits	$0	$0	$0
3	**Total Pipeline/Product**	**$4,248,510**	**$584,464**	**$4,832,973**
4	Base Load Costs	$338,516	$338,516	$677,033
5	Remaining Pipeline	$3,909,994	$245,947	$4,155,941
6	Storage Demand	$3,833,306	$505,754	$4,339,061
7	Peaking Demand	$4,207,021	$0	$4,207,021
8	Off System Credits	($543,565)	($34,191)	($577,756)
9	**Total Demand Costs**	**$11,745,273**	**$1,056,026**	**$12,801,299**
10	**COMMODITY:**			
11	Pipeline/Product Commodity Charges	$13,937,035	$9,129,849	$23,066,884
12	Base Load	$8,111,650	$7,664,336	$15,775,986
13	Remaining Pipeline	$5,825,385	$1,465,513	$7,290,898
14	Storage Commodity	$13,921,699	$0	$13,921,699
15	Peaking Commodity	$2,892,165	$41,955	$2,934,119
	Interruptible Included Above	$ (20,846)	$ (32,724)	$ (53,570)
16	Hedging (Gain)/Loss	$126,764	$0	$126,764
17	**Total Commodity** (Lines 14 + 18)	**$30,856,816**	**$9,139,080**	**$39,995,896**
18	**Total Demand and Commodity**	**$42,602,089**	**$10,195,106**	**$52,797,196**

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
COMMODITY COSTS

		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
1	**Supply Volumes - therms**															
2																
3	Total Pipeline	1,824,084	2,353,862	2,411,597	2,184,633	1,868,484	3,555,415	2,288,194	1,360,964	1,543,782	1,236,704	1,634,126	3,148,504	25,408,349	14,196,076	11,212,273
	Total Storage	2,810,275	4,161,783	4,931,827	4,293,016	3,560,516	351	0	0	0	0	0	0	19,757,767	19,757,767	0
4	Total Peaking	279,839	739,948	1,013,083	755,262	799,470	508,220	7,948	7,780	8,957	8,180	7,734	8,015	4,144,437	4,095,823	48,814
5	Subtotal	4,914,198	7,255,593	8,356,507	7,232,911	6,226,470	4,063,988	2,296,142	1,368,744	1,552,738	1,244,884	1,641,860	3,156,519	49,310,552	38,049,666	11,260,886
6	Less Interruptible	10,233	4,763	0	0	0	12,009	11,452	11,584	7,095	6,480	6,330	11,549	81,493	27,005	54,489
7	Less Company Use	23,040	31,900	36,650	32,230	28,280	19,740	12,870	9,310	8,820	8,840	10,290	16,350	238,320	171,840	66,480
8	Total Firm	4,880,925	7,218,930	8,319,857	7,200,681	6,198,190	4,032,238	2,271,820	1,347,850	1,536,824	1,229,564	1,625,240	3,128,620	48,990,739	37,850,821	11,139,918
9	Usage (Firm Sales)	4,832,610	7,147,450	8,237,450	7,129,320	6,136,800	3,992,350	2,249,340	1,334,500	1,521,610	1,217,390	1,609,130	3,097,650	48,505,600	37,475,960	11,029,620
10	Difference	48,315	71,480	82,407	71,361	61,390	39,888	22,480	13,350	15,214	12,174	16,110	30,970	485,139	374,841	110,298
11	Percent	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
12	Should be 1% or whatever Gresham built in for Loss & Unaccounted For															
13																
14	**Variable Costs**															
15																
16	Total Pipeline	$ 1,707,776	$ 2,345,486	$ 2,482,523	$ 2,249,549	$ 1,872,689	$ 3,279,013	$ 1,813,832	$ 1,065,377	$ 1,225,268	$ 998,433	$ 1,353,459	$ 2,673,481	$ 23,066,884	$ 13,937,035	$ 9,129,849
	Total Storage	$ 1,973,272	$ 2,928,033	$ 3,488,783	$ 3,024,180	$ 2,507,141	$ 290	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,921,699	$ 13,921,699	$ -
	Total Peaking	$ 191,260	$ 507,624	$ 780,989	$ 521,581	$ 544,175	$ 346,535	$ 6,859	$ 6,714	$ 7,730	$ 7,060	$ 6,674	$ 6,917	$ 2,934,119	$ 2,892,165	$ 41,955
18	Subtotal	$ 3,872,308	$ 5,781,142	$ 6,752,294	$ 5,795,310	$ 4,924,005	$ 3,625,839	$ 1,820,691	$ 1,072,091	$ 1,232,998	$ 1,005,493	$ 1,360,134	$ 2,680,398	$ 39,922,702	$ 30,750,898	$ 9,171,804
19	Total Interruptible Incl Above	$ 9,213	$ -	$ -	$ -	$ -	$ 11,633	$ 10,341	$ 4	$ -	$ 5,535	$ 6,035	$ 10,808	$ 53,570	$ 20,846	$ 32,724
	Hedging (Gain)/Loss	$0	$0	$0	$0	$0	$0							$ -	$ -	$ -
20	Total (Without Interr)	$ 3,863,095	$ 5,781,142	$ 6,752,294	$ 5,795,310	$ 4,924,005	$ 3,614,208	$ 1,810,350	$ 1,072,087	$ 1,232,998	$ 999,958	$ 1,354,098	$ 2,669,590	$ 39,869,132	$ 30,730,052	$ 9,139,080
21																
22																
23	**Supply Cost/Therm**	(Includes all variable costs, both supplier and transportation)														
24																
25	Total Pipeline	$0.936	$0.996	$1.029	$1.030	$1.003	$0.922	$0.793	$0.783	$0.794	$0.807	$0.828	$0.849	$0.908		
26	Total Storage	$0.702	$0.704	$0.707	$0.704	$0.704	$0.827	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.705		
27	Total Peaking	$0.683	$0.686	$0.771	$0.691	$0.681	$0.682	$0.863	$0.883	$0.863	$0.863	$0.863	$0.863	$0.708		
28	Subtotal	$0.788	$0.797	$0.808	$0.801	$0.791	$0.892	$0.793	$0.783	$0.794	$0.808	$0.828	$0.849	$0.810		
29	Interruptible	$0.900	$0.000	$0.000	$0.000	$0.000	$0.969	$0.903	$0.000	$0.000	$0.854	$0.953	$0.936	$0.657		
30	Total	$0.791	$0.801	$0.812	$0.805	$0.794	$0.896	$0.797	$0.795	$0.802	$0.813	$0.833	$0.853	$0.814		
31																
32																
33	**Commodity Costs**															
34																
35	Pipeline Average Cost	$ 0.936	$ 0.996	$ 1.029	$ 1.030	$ 1.003	$ 0.922	$ 0.793	$ 0.783	$ 0.794	$ 0.807	$ 0.828	$ 0.849	$ 0.908	$ 0.982	$ 0.814
36	Base Commodity, therms	1,335,877	1,381,015	1,382,505	1,293,950	1,381,175	1,337,127	1,309,490	1,201,547	1,361,340	1,207,710	1,235,879	1,348,370	15,775,986	8,111,650	7,664,336
37																
38	Base Commodity Cost	$ 1,250,699	$ 1,376,101	$ 1,423,165	$ 1,332,399	$ 1,385,767	$ 1,233,177	$ 1,038,022	$ 940,584	$ 1,080,468	$ 975,026	$ 1,023,612	$ 1,144,938	$ 14,203,956	$ 8,001,307	$ 6,202,649
39																
40	Remaining Commodity	$ 2,612,396	$ 4,405,042	$ 5,329,129	$ 4,462,911	$ 3,538,238	$ 2,381,028	$ 772,328	$ 131,503	$ 152,530	$ 24,932	$ 330,486	$ 1,524,652	$ 25,665,177	$ 22,728,745	$ 2,936,431
41																
42	Total Commodity	$ 3,863,095	$ 5,781,142	$ 6,752,294	$ 5,795,310	$ 4,924,005	$ 3,614,208	$ 1,810,350	$ 1,072,087	$ 1,232,998	$ 999,958	$ 1,354,098	$ 2,669,590	$ 39,869,132	$ 30,730,052	$ 9,139,080

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
DEMAND COSTS

DEVELOPMENT OF BASE AND REMAINING DEMAND COSTS:

	MDQ	Total Costs	Unit Cost
Pipeline & Product Demand	31,851	$4,832,973	$ 151.74
Less: Base Use	4,462	$677,033	
Remaining Pipeline Use	27,389	$4,155,941	

BASE DEMAND COSTS ALLOCATED BY MONTH:

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	Winter	Summer
BASE DEMAND COSTS	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$677,033	$338,516	$338,516

DETAIL OF TOTAL REMAINING DEMAND COSTS:

Pipeline - Base	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$56,419	$677,033	$338,516	$338,516
Pipeline - Remaining	$329,937	$724,299	$1,362,314	$744,909	$520,435	$228,101	$66,759	$7,869	$9,617	$1,091	$23,853	$136,758	$4,155,941	$3,909,994	$245,947
Storage & Peaking	$678,466	$1,489,415	$2,801,398	$1,531,795	$1,070,199	$469,055	$137,280	$16,181	$19,776	$2,244	$49,050	$281,223	$8,546,082	$8,040,327	$505,754
TOTAL	$1,064,822	$2,270,133	$4,220,131	$2,333,123	$1,647,054	$753,575	$260,459	$80,469	$85,813	$59,755	$129,323	$474,400	$13,379,055	$12,288,837	$1,090,218

Less: Capacity Release	$0
Total for Working Capital	$13,379,055
Demand Cost Deducts	
Interuptible Margins	$0
Off System Sales Margins	$0
Other	$0
TOTAL DEDUCTS	$0
Grand Total - Capacity	**$13,379,055**

Northern Utilities - NEW HAMPSHIRE DIVISION
SENDOUT FORECAST: Normal Calendar Month Sendout (MMBtu)
DESIGN DAY DEMANDS ALL DIVISIONS

							Excludes Design Day Base Temperature Sensitive	
1	**Sendout for Design Day Calculation**							
2		**Design Day**	**% of**	**Design Day**	**% of**			
3		**Forecast**	**Total**	**Base**	**Total**		**Design Day**	**% of**
4	Customer Class	NH	Total	NH	Total		NH	Total
5								
6	Res Heat	20,719	36.59%	1,140	24.80%		19,579	37.64%
7	Res General	175	0.31%	69	1.50%		106	0.20%
8	G50 Low Annual-Low Winter	1,503	2.65%	1,160	25.23%		343	0.66%
9	G40 Low Annual-High Winter	11,296	19.95%	311	6.77%		10,985	21.12%
10	G51 Med Annual-Low Winter	2,639	4.66%	850	18.49%		1,789	3.44%
11	G41 Med Annual-High Winter	11,231	19.84%	370	8.05%		10,861	20.88%
12	G52 High Annual-Low Winter	1,385	2.45%	235	5.11%		1,150	2.21%
13	G42 High Annual-High Winter	3,737	6.60%	153	3.33%		3,584	6.89%
14	Non-Grandfathered T50 Low Annual-Low Winter	62	0.11%	9	0.20%		53	0.10%
15	Non-Grandfathered T40 Low Annual-High Winter	302	0.53%	20	0.44%		282	0.54%
16	Non-Grandfathered T51 Med Annual-Low Winter	418	0.74%	102	2.22%		316	0.61%
17	Non-Grandfathered T41 Med Annual-High Winter	2,461	4.35%	119	2.59%		2,342	4.50%
18	Non-Grandfathered T52 High Annual-Low Winter	42	0.07%	12	0.26%		30	0.06%
19	Non-Grandfathered T42 High Annual-High Winter	650	1.15%	47	1.02%		603	1.16%
20	Non-Grandfathered Special Contracts	56,620		4,597			52,023	
21								
22	Residential	20,894	36.90%	1,209	26.30%		19,685	37.84%
23	SALES HLF CLASSES	5,527	9.76%	2,245	48.84%		3,282	6.31%
24	SALES LLF CLASSES	26,264	46.39%	834	18.14%		25,430	48.88%
25	Non-Grandfathered HLF CLASSES	522	0.92%	123	2.68%		399	0.77%
26	Non-Grandfathered LLF CLASSES	3,413	6.03%	186	4.05%		3,227	6.20%
27	Grand Total	56,620	100.00%	4,597	100.00%		52,023	100.00%

Northern Utilities - NEW HAMPSHIRE DIVISION

Summary of Demand and Supply Forecast

	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Total	
I. Gas Volumes								
A. Firm Demand Volumes (Therms)								
Firm Gas Sales	2,019,670	1,186,800	1,365,360	1,087,980	1,435,440	2,787,600	9,882,850	
Lost Gas (Unaccounted For)	22,480	13,350	15,214	12,174	16,110	30,970	110,298	
Company Use	12,870	9,310	8,820	8,840	10,290	16,350	66,480	
Interruptible	11,452	11,584	7,095	6,480	6,330	11,549	54,489	
Non-Grandfathered Transportation	229,670	147,700	156,250	129,410	173,690	310,050	1,146,770	
Unbilled Therms	0	0	0	0	0	0	0	
Total Firm Demand Volumes	**2,296,142**	**1,368,744**	**1,552,738**	**1,244,884**	**1,641,860**	**3,156,519**	**11,260,886**	
B. Supply Volumes (Net Therms)								
Pipeline Gas:								
GSGT PNGTS Deliveries	180,069	176,265	202,923	185,336	175,217	181,588	1,101,398	
GSGT TGP Niagra	539,603	192,868	199,006	8,480	387,917	522,430	1,850,304	
GSGT TGP Niagra via Chicago	391,195	382,924	440,845	402,637	380,647	394,494	2,392,742	
AGT FT Deliveries via Chicago	558,194	608,912	701,007	640,251	576,430	552,164	3,636,958	
AGT FT Deliveries	130,467	0	0	0	49,192	101,087	280,746	
TGP Gulf Coast	488,667	(6)	0	0	64,723	1,396,740	1,950,125	
Tennessee @ Dracut	0	0	0	0	0	0	0	
Hubline	0	0	0	0	0	0	0	
Subtotal Pipeline Volumes	2,288,194	1,360,964	1,543,782	1,236,704	1,634,126	3,148,504	11,212,273	
Storage								
TGP FS Stg	0	0	0	0	0	0	0	
TETCO Stg (SS1, FSS)	0	0	0	0	0	0	0	
MCN Stg	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	
Subtotal Storage Volumes	0	0	0	0	0	0	0	
Peaking								
Domac	0	0	0	0	0	0	0	
LNG (includes boiloff)	7,948	7,780	8,957	8,180	7,734	8,015	48,614	
Propane	0	0	0	0	0	0	0	
Duke	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	
Subtotal Peaking Volumes	7,948	7,780	8,957	8,180	7,734	8,015	48,614	
Total Firm Sales/Sendout Volumes	**2,296,142**	**1,368,744**	**1,552,738**	**1,244,884**	**1,641,860**	**3,156,519**	**11,260,886**	
							0	Should be Zero
II. Gas Costs								
A. Demand Costs								
Pipeline/Supply Related Demand Costs								
Granite							$52,365	
PNGTS							$19,849	
Algonquin							$23,187	
Iroquois							$30,245	
Tennessee							$188,855	
Texas Eastern							$4,395	
Trans Canada							$20,725	
Transco							$579	
Vector							$36,115	
Union							$9,253	
Domac							$139,536	
Duke							$59,359	
Other							$0	
TCPL							$0	
Subtotal Pipeline Demand Costs							$584,464	
Storage								
TGP FS Stg							$9,327	
TETCO Stg (SS1, FSS)							$206	
Granite Stg							$18,932	
Other							$0	
Other							$0	
Other							$0	
Subtotal Storage Demand Costs							$28,465	
Peaking								
Trans Canada							$134,325	
PNGTS							$248,970	
MCN							$93,994	
Other							$0	
Other							$0	
Subtotal Peaking Demand Costs							$477,289	
Capacity Release							$0	
Off System Credits							$0	
Total Demand Costs							**$1,090,218**	
B. Supply Commodity Costs								
NH Allocation Factors	56.97%	57.63%	64.21%	58.64%	57.29%	57.46%		
Pipeline Purchases								
GSGT PNGTS Deliveries	$124,978	$124,150	$145,354	$134,497	$128,279	$134,784	$792,042	
GSGT TGP Niagra	$438,041	$146,739	$151,733	$6,496	$333,455	$449,773	$1,526,237	
GSGT TGP Niagra via Chicago	$307,388	$304,769	$356,050	$328,910	$313,350	$328,661	$1,939,127	
AGT FT Deliveries via Chicago	$443,210	$489,718	$572,131	$528,531	$479,539	$464,908	$2,978,037	
AGT FT Deliveries	$101,523	$0	$0	$0	$40,099	$83,383	$225,005	
TGP Gulf Coast	$398,692	$0	$0	$0	$58,737	$1,211,971	$1,669,401	

4		May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Total
95	Tennessee @ Dracut	$0	$0	$0	$0	$0	$0	$0
96	Hubline	$0	$0	$0	$0	$0	$0	$0
97	Total Pipeline Purchase $$	$1,813,832	$1,065,377	$1,225,268	$998,433	$1,353,459	$2,673,481	$9,129,849
98								
99	Storage Withdrawals							
100	TGP FS Stg	$0	$0	$0	$0	$0	$0	$0
101	TETCO Stg (SS1, FSS)	$0	$0	$0	$0	$0	$0	$0
102	MCN Stg	$0	$0	$0	$0	$0	$0	$0
103	Other	$0	$0	$0	$0	$0	$0	$0
104	Other	$0	$0	$0	$0	$0	$0	$0
105	Total Storage Withdrawal $$	$0	$0	$0	$0	$0	$0	$0
106								
107	Peaking							
108	Domac	$0	$0	$0	$0	$0	$0	$0
109	LNG	$6,859	$6,714	$7,730	$7,060	$6,674	$6,917	$41,955
110	Propane	$0	$0	$0	$0	$0	$0	$0
111	Duke	$0	$0	$0	$0	$0	$0	$0
112	Other	$0	$0	$0	$0	$0	$0	$0
113	Other	$0	$0	$0	$0	$0	$0	$0
114	Total Peaking $$	$6,859	$6,714	$7,730	$7,060	$6,674	$6,917	$41,955
115								
116	Interruptible included above	$ (10,341)	$ (4)	$ -	$ (5,535)	$ (6,035)	$ (10,808)	$ (32,724)
117								
118	Hedging (Gain)/Loss	$41,930	$0	$0	$0	$0	$84,834	$126,764
119								
120	**Total Commodity Costs**	**$1,852,280**	**$1,072,087**	**$1,232,998**	**$999,958**	**$1,354,098**	**$2,754,424**	**$9,265,844**
121								
122	Total Direct Costs							**$10,356,062**

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
REMAINING COSTS

1 **Annual Allocation (by class) of Remaining Demand by Component**

2		Allocated Pipeline Demand	Allocated Storage & Peaking Demand	Allocated Capacity Release Demand	Allocated Interruptible Margins	Allocated Off System Sales Credits	Allocated A&G	**Allocated Net Remaining Demand**
3								
4	Res Heat	$ 1,564,100	$ 3,216,342	$ -	$ -	$ -	$ -	**$ 4,780,441**
5	Res General	$ 8,468	$ 17,413	$ -	$ -	$ -	$ -	**$ 25,881**
6	G50 Low Annual-Low Winter	$ 27,401	$ 56,346	$ -	$ -	$ -	$ -	**$ 83,747**
7	G40 Low Annual-High Winter	$ 877,554	$ 1,804,562	$ -	$ -	$ -	$ -	**$ 2,682,116**
8	G51 Med Annual-Low Winter	$ 142,917	$ 293,888	$ -	$ -	$ -	$ -	**$ 436,805**
9	G41 Med Annual-High Winter	$ 867,648	$ 1,784,192	$ -	$ -	$ -	$ -	**$ 2,651,840**
10	G52 High Annual-Low Winter	$ 91,870	$ 188,916	$ -	$ -	$ -	$ -	**$ 280,786**
11	G42 High Annual-High Winter	$ 286,314	$ 588,762	$ -	$ -	$ -	$ -	**$ 875,075**
12	Non-Grandfathered T50 Low Annual-Low Winter	$ 4,234	$ 8,707	$ -	$ -	$ -	$ -	**$ 12,941**
13	Non-Grandfathered T40 Low Annual-High Winter	$ 22,528	$ 46,326	$ -	$ -	$ -	$ -	**$ 68,854**
14	Non-Grandfathered T51 Med Annual-Low Winter	$ 25,244	$ 51,911	$ -	$ -	$ -	$ -	**$ 77,155**
15	Non-Grandfathered T41 Med Annual-High Winter	$ 187,094	$ 384,732	$ -	$ -	$ -	$ -	**$ 571,827**
16	Non-Grandfathered T52 High Annual-Low Winter	$ 2,397	$ 4,928	$ -	$ -	$ -	$ -	**$ 7,325**
17	Non-Grandfathered T42 High Annual-High Winter	$ 48,172	$ 99,058	$ -	$ -	$ -	$ -	**$ 147,229**
18								
19	TOTAL	$ 4,155,941	$ 8,546,082	$ -	$ -	$ -	$ -	**$ 12,702,023**
20								
21	Residential	$ 1,572,568	$ 3,233,755	$ -	$ -	$ -	$ -	$ 4,806,323 $ - $ -
22	SALES HLF CLASSES	$ 262,188	$ 539,151	$ -	$ -	$ -	$ -	$ 801,339 $ - $ -
23	SALES LLF CLASSES	$ 2,031,516	$ 4,177,515	$ -	$ -	$ -	$ -	$ 6,209,031 $ - $ -
24	Non-Grandfathered HLF CLASSES	$ 31,875	$ 65,548	$ -	$ -	$ -	$ -	$ 97,421 $ - $ -
25	Non-Grandfathered LLF CLASSES	$ 257,794	$ 530,116	$ -	$ -	$ -	$ -	$ 787,910 $ - $ -
26								
27								

28 **Proportional Responsibility (PR) Allocator**

29													
30								Remaining Load					
31		Remaining Load	Rank	%WINTER	PR	CumPR		No Off Peak	Rank	%WINTER	PR	CumPR	
32													
33	NOV	3,545,043	5	51.10%	2.450%	7.939%		3,545,043	5	51.10%	2.450%	8.925%	
34	DEC	5,837,905	3	84.15%	4.905%	17.428%		5,837,905	3	84.15%	4.905%	18.414%	
35	JAN	6,937,315	1	100.00%	14.856%	32.780%		6,937,315	1	100.00%	14.856%	33.766%	
36	FEB	5,906,710	2	85.14%	0.496%	17.924%		5,906,710	2	85.14%	0.496%	18.910%	
37	MAR	4,817,005	4	69.44%	4.584%	12.523%		4,817,005	4	69.44%	4.584%	13.509%	
38	APR	2,695,093	6	38.85%	2.198%	5.489%	94.082%	2,695,093	6	38.85%	6.475%	6.475%	
39	MAY	962,330	8	13.87%	1.032%	1.606%							
40	JUN	146,303	11	2.11%	0.163%	0.189%							
41	JUL	175,490	10	2.53%	0.042%	0.231%							
42	AUG	21,860	12	0.32%	0.026%	0.026%							
43	SEP	389,361	9	5.61%	0.343%	0.574%							
44	OCT	1,780,250	7	25.66%	1.684%	3.291%	5.918%						
45	TOTAL	33,214,664			32.780%	100.000%		29,739,070					100.000%
46													

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
REMAINING COSTS

REMAINING COMMODITY COSTS BY CLASS (From Commodity tab) (Allocate to classes based on Remaining Sendout)

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
TOT REMAINING COMMODITY	$2,612,396	$ 4,405,042	$ 5,329,129	$ 4,462,911	$ 3,538,238	$ 2,381,028	$ 772,328	$ 131,503	$ 152,530	$ 24,932	$ 330,486	$ 1,524,652	$ 25,665,177	$ 22,728,745	$ 2,936,431
Res Heat	$ 959,293	$ 1,605,354	$ 1,936,859	$ 1,618,912	$ 1,294,140	$ 880,852	$ 289,427	$ 44,087	$ 24,702	$ 4,038	$ 119,025	$ 577,162	$ 9,353,851	$ 8,295,411	$ 1,058,441
Res General	$ 6,959	$ 11,013	$ 13,293	$ 11,924	$ 8,869	$ 6,488	$ 1,906	$ 695	$ 1,921	$ 314	$ 1,191	$ 3,884	$ 68,458	$ 58,547	$ 9,911
G50 Low Annual-Low Winter	$ 20,141	$ 28,594	$ 34,334	$ 35,592	$ 23,200	$ 20,188	$ 1,288	$ 4,882	$ 2,709	$ 443	$ 5,934	$ -	$ 177,305	$ 162,049	$ 15,255
G40 Low Annual-High Winter	$ 536,957	$ 900,558	$ 1,085,973	$ 903,483	$ 726,458	$ 493,209	$ 163,939	$ 25,010	$ 7,636	$ 1,248	$ 66,685	$ 324,260	$ 5,235,416	$ 4,646,638	$ 588,778
G51 Med Annual-Low Winter	$ 82,980	$ 129,022	$ 155,334	$ 140,821	$ 104,296	$ 78,129	$ 23,250	$ 10,313	$ 8,185	$ 1,338	$ 15,850	$ 40,911	$ 790,431	$ 690,582	$ 99,848
G41 Med Annual-High Winter	$ 543,748	$ 910,699	$ 1,098,179	$ 915,044	$ 734,670	$ 499,672	$ 165,761	$ 26,111	$ 10,828	$ 1,770	$ 68,209	$ 327,848	$ 5,302,540	$ 4,702,013	$ 600,528
G52 High Annual-Low Winter	$ 176,897	$ 294,504	$ 355,085	$ 297,898	$ 237,613	$ 162,894	$ 53,563	$ 9,627	$ 6,029	$ 985	$ 23,164	$ 105,940	$ 1,724,199	$ 1,524,891	$ 199,307
G42 High Annual-High Winter	$ 35,393	$ 107,732	$ 146,035	$ 116,064	$ 72,583	$ 10,070	$ -	$ -	$ 79,975	$ 13,072	$ -	$ -	$ 580,925	$ 487,878	$ 93,047
Non-Grandfathered T50 Low Annual-Low Winter	$ 8,855	$ 14,752	$ 17,791	$ 14,916	$ 11,907	$ 8,160	$ 2,681	$ 473	$ 39	$ 6	$ 1,159	$ 5,310	$ 86,047	$ 76,380	$ 9,667
Non-Grandfathered T40 Low Annual-High Winter	$ 30,901	$ 51,699	$ 62,334	$ 52,013	$ 41,703	$ 28,414	$ 9,410	$ 1,521	$ 777	$ 127	$ 3,915	$ 18,606	$ 301,419	$ 267,063	$ 34,356
Non-Grandfathered T51 Med Annual-Low Winter	$ 12,741	$ 19,686	$ 23,706	$ 21,662	$ 15,910	$ 12,015	$ 3,515	$ 1,645	$ 2,883	$ 471	$ 2,487	$ 3,546	$ 120,268	$ 105,721	$ 14,547
Non-Grandfathered T41 Med Annual-High Winter	$ 137,577	$ 229,590	$ 276,838	$ 231,630	$ 185,234	$ 126,586	$ 41,773	$ 7,139	$ 943	$ 154	$ 17,716	$ 82,611	$ 1,337,791	$ 1,187,454	$ 150,337
Non-Grandfathered T52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 452	$ 74	$ 405	$ 313	$ 1,243	$ -	$ 1,243
Non-Grandfathered T42 High Annual-High Winter	$ 59,956	$ 101,839	$ 123,366	$ 102,951	$ 81,654	$ 54,352	$ 15,814	$ -	$ 5,453	$ 891	$ 4,746	$ 34,281	$ 585,284	$ 524,119	$ 61,165
TOTAL	$2,612,396	$ 4,405,042	$ 5,329,129	$ 4,462,911	$ 3,538,238	$ 2,381,028	$ 772,328	$ 131,503	$ 152,530	$ 24,932	$ 330,486	$ 1,524,652	$ 25,665,177	$ 22,728,745	$ 2,936,431
Residential	$ 966,252	$ 1,616,367	$ 1,950,152	$ 1,630,837	$ 1,303,010	$ 887,340	$ 291,333	$ 44,782	$ 26,622	$ 4,352	$ 120,216	$ 581,046	$ 9,422,310	$ 8,353,957	$ 1,068,352
SALES HLF CLASSES	$ 280,017	$ 452,120	$ 544,753	$ 474,311	$ 365,110	$ 261,211	$ 78,101	$ 24,822	$ 16,922	$ 2,766	$ 44,948	$ 146,851	$ 2,691,934	$ 2,377,523	$ 314,411
SALES LLF CLASSES	$ 1,116,097	$ 1,918,990	$ 2,330,188	$ 1,934,591	$ 1,533,711	$ 1,002,951	$ 329,700	$ 51,121	$ 98,439	$ 16,091	$ 134,894	$ 652,108	$ 11,118,881	$ 9,836,529	$ 1,282,353
Non-Grandfathered HLF CLASSES	$ 21,596	$ 34,438	$ 41,497	$ 36,578	$ 27,817	$ 20,175	$ 6,196	$ 2,117	$ 3,374	$ 551	$ 4,051	$ 9,168	$ 207,558	$ 182,101	$ 25,457
Non-Grandfathered LLF CLASSES	$ 228,433	$ 383,127	$ 462,539	$ 386,594	$ 308,591	$ 209,352	$ 66,998	$ 8,660	$ 7,172	$ 1,172	$ 26,377	$ 135,478	$ 2,224,494	$ 1,978,636	$ 245,858

REMAINING PIPELINE DEMAND

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
MONTHLY PR DEMAND %	7.939%	17.428%	32.780%	17.924%	12.523%	5.489%	1.606%	0.189%	0.231%	0.026%	0.574%	3.291%	100.000%	94.082%	5.918%
Res Heat	$ 124,173	$ 272,592	$ 512,710	$ 280,348	$ 195,867	$ 85,846	$ 25,125	$ 2,961	$ 3,619	$ 411	$ 8,977	$ 51,469	$ 1,564,100	$ 1,471,537	$ 92,563
Res General	$ 672	$ 1,476	$ 2,776	$ 1,518	$ 1,060	$ 465	$ 136	$ 16	$ 20	$ 2	$ 49	$ 279	$ 8,468	$ 7,967	$ 501
G50 Low Annual-Low Winter	$ 2,175	$ 4,775	$ 8,982	$ 4,911	$ 3,431	$ 1,504	$ 440	$ 52	$ 63	$ 7	$ 157	$ 902	$ 27,401	$ 25,780	$ 1,622
G40 Low Annual-High Winter	$ 89,668	$ 152,941	$ 287,662	$ 157,292	$ 109,893	$ 48,165	$ 14,097	$ 1,662	$ 2,031	$ 230	$ 5,037	$ 28,877	$ 877,554	$ 825,621	$ 51,933
G51 Med Annual-Low Winter	$ 11,346	$ 24,908	$ 46,848	$ 25,616	$ 17,897	$ 7,844	$ 2,296	$ 271	$ 331	$ 38	$ 820	$ 4,703	$ 142,917	$ 134,459	$ 8,458
G41 Med Annual-High Winter	$ 68,882	$ 151,214	$ 284,414	$ 155,517	$ 108,653	$ 47,621	$ 13,938	$ 1,643	$ 2,008	$ 228	$ 4,980	$ 28,551	$ 867,648	$ 816,301	$ 51,347
G52 High Annual-Low Winter	$ 7,293	$ 16,011	$ 30,115	$ 16,467	$ 11,505	$ 5,042	$ 1,476	$ 174	$ 213	$ 24	$ 527	$ 3,023	$ 91,870	$ 86,433	$ 5,437
G42 High Annual-High Winter	$ 22,730	$ 49,899	$ 93,853	$ 51,319	$ 35,854	$ 15,714	$ 4,599	$ 542	$ 663	$ 75	$ 1,643	$ 9,422	$ 286,314	$ 269,370	$ 16,944
Non-Grandfathered T50 Low Annual-Low Winter	$ 336	$ 738	$ 1,388	$ 759	$ 530	$ 232	$ 68	$ 8	$ 10	$ 1	$ 24	$ 139	$ 4,234	$ 3,983	$ 251
Non-Grandfathered T40 Low Annual-High Winter	$ 1,788	$ 3,926	$ 7,385	$ 4,038	$ 2,821	$ 1,236	$ 362	$ 43	$ 52	$ 6	$ 129	$ 741	$ 22,528	$ 21,195	$ 1,333
Non-Grandfathered T51 Med Annual-Low Winter	$ 2,004	$ 4,400	$ 8,275	$ 4,525	$ 3,161	$ 1,386	$ 406	$ 48	$ 58	$ 7	$ 145	$ 831	$ 25,244	$ 23,750	$ 1,494
Non-Grandfathered T41 Med Annual-High Winter	$ 14,853	$ 32,607	$ 61,329	$ 33,535	$ 23,429	$ 10,269	$ 3,005	$ 354	$ 433	$ 49	$ 1,074	$ 6,157	$ 187,094	$ 176,022	$ 11,072
Non-Grandfathered T52 High Annual-Low Winter	$ 190	$ 418	$ 786	$ 430	$ 300	$ 132	$ 38	$ 5	$ 6	$ 1	$ 14	$ 79	$ 2,397	$ 2,255	$ 142
Non-Grandfathered T42 High Annual-High Winter	$ 3,824	$ 8,395	$ 15,791	$ 8,634	$ 6,032	$ 2,644	$ 774	$ 91	$ 111	$ 13	$ 276	$ 1,585	$ 48,172	$ 45,321	$ 2,851
TOTAL	$ 329,937	$ 724,299	$ 1,362,314	$ 744,909	$ 520,435	$ 228,101	$ 66,759	$ 7,869	$ 9,617	$ 1,091	$ 23,853	$ 136,758	$ 4,155,941	$ 3,909,994	$ 245,947
Residential	$ 124,845	$ 274,068	$ 515,486	$ 281,866	$ 196,928	$ 86,311	$ 25,261	$ 2,977	$ 3,639	$ 413	$ 9,026	$ 51,748	$ 1,572,568	$ 1,479,504	$ 93,064
SALES HLF CLASSES	$ 20,815	$ 45,694	$ 85,945	$ 46,994	$ 32,833	$ 14,390	$ 4,212	$ 496	$ 607	$ 69	$ 1,505	$ 8,628	$ 262,188	$ 246,672	$ 15,516
SALES LLF CLASSES	$ 161,280	$ 354,053	$ 665,929	$ 364,128	$ 254,400	$ 111,501	$ 32,633	$ 3,846	$ 4,701	$ 533	$ 11,660	$ 66,850	$ 2,031,516	$ 1,911,292	$ 120,224
Non-Grandfathered HLF CLASSES	$ 2,531	$ 5,555	$ 10,449	$ 5,713	$ 3,992	$ 1,749	$ 512	$ 60	$ 74	$ 8	$ 183	$ 1,049	$ 31,875	$ 29,988	$ 1,886
Non-Grandfathered LLF CLASSES	$ 20,466	$ 44,928	$ 84,505	$ 46,207	$ 32,283	$ 14,149	$ 4,141	$ 488	$ 597	$ 68	$ 1,480	$ 8,483	$ 257,794	$ 242,538	$ 15,256

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Allocator (SMBA) Calculations
REMAINING COSTS

1 PEAKING AND STORAGE DEMAND

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
MONTHLY PR DEMAND %	7.939%	17.428%	32.780%	17.924%	12.523%	5.489%	1.606%	0.189%	0.231%	0.026%	0.574%	3.291%	100.000%	94.082%	5.918%
Res Heat	$ 255,343	$ 560,545	$ 1,054,314	$ 576,495	$ 402,772	$ 176,530	$ 51,666	$ 6,090	$ 7,443	$ 845	$ 18,460	$ 105,839	$ 3,216,342	$ 3,025,999	$ 190,342
Res General	$ 1,382	$ 3,035	$ 5,708	$ 3,121	$ 2,181	$ 956	$ 280	$ 33	$ 40	$ 5	$ 100	$ 573	$ 17,413	$ 16,383	$ 1,031
G50 Low Annual-Low Winter	$ 4,473	$ 9,820	$ 18,470	$ 10,099	$ 7,056	$ 3,093	$ 905	$ 107	$ 130	$ 15	$ 323	$ 1,854	$ 56,346	$ 53,012	$ 3,335
G40 Low Annual-High Winter	$ 143,263	$ 314,500	$ 591,534	$ 323,449	$ 225,980	$ 99,044	$ 28,988	$ 3,417	$ 4,176	$ 474	$ 10,357	$ 59,382	$ 1,804,562	$ 1,697,768	$ 106,793
G51 Med Annual-Low Winter	$ 23,332	$ 51,219	$ 96,336	$ 52,676	$ 36,803	$ 16,130	$ 4,721	$ 556	$ 680	$ 77	$ 1,687	$ 9,671	$ 293,888	$ 276,496	$ 17,392
G41 Med Annual-High Winter	$ 141,645	$ 310,950	$ 584,856	$ 319,798	$ 223,429	$ 97,926	$ 28,660	$ 3,378	$ 4,129	$ 469	$ 10,240	$ 58,712	$ 1,784,192	$ 1,678,604	$ 105,588
G52 High Annual-Low Winter	$ 14,998	$ 32,924	$ 61,927	$ 33,861	$ 23,657	$ 10,369	$ 3,035	$ 358	$ 437	$ 50	$ 1,084	$ 6,217	$ 188,916	$ 177,736	$ 11,180
G42 High Annual-High Winter	$ 46,741	$ 102,610	$ 192,996	$ 105,529	$ 73,729	$ 32,314	$ 9,458	$ 1,115	$ 1,362	$ 155	$ 3,379	$ 19,374	$ 588,762	$ 553,919	$ 34,843
Non-Grandfathered T50 Low Annual-Low Winter	$ 691	$ 1,517	$ 2,854	$ 1,561	$ 1,090	$ 478	$ 140	$ 16	$ 20	$ 2	$ 50	$ 287	$ 8,707	$ 8,191	$ 515
Non-Grandfathered T40 Low Annual-High Winter	$ 3,678	$ 8,074	$ 15,185	$ 8,303	$ 5,801	$ 2,543	$ 744	$ 88	$ 107	$ 12	$ 266	$ 1,524	$ 46,326	$ 43,584	$ 2,742
Non-Grandfathered T51 Med Annual-Low Winter	$ 4,121	$ 9,047	$ 17,016	$ 9,304	$ 6,501	$ 2,849	$ 834	$ 98	$ 120	$ 14	$ 298	$ 1,708	$ 51,911	$ 48,839	$ 3,072
Non-Grandfathered T41 Med Annual-High Winter	$ 30,544	$ 67,051	$ 126,115	$ 68,959	$ 48,179	$ 21,116	$ 6,180	$ 728	$ 890	$ 101	$ 2,208	$ 12,660	$ 384,732	$ 361,964	$ 22,768
Non-Grandfathered T52 High Annual-Low Winter	$ 391	$ 859	$ 1,615	$ 883	$ 617	$ 270	$ 79	$ 9	$ 11	$ 1	$ 28	$ 162	$ 4,928	$ 4,637	$ 292
Non-Grandfathered T42 High Annual-High Winter	$ 7,864	$ 17,264	$ 32,471	$ 17,755	$ 12,405	$ 5,437	$ 1,591	$ 188	$ 229	$ 26	$ 569	$ 3,260	$ 99,058	$ 93,196	$ 5,862
TOTAL	$ 678,466	$ 1,489,415	$ 2,801,398	$ 1,531,795	$ 1,070,199	$ 469,055	$ 137,280	$ 16,181	$ 19,776	$ 2,244	$ 49,050	$ 281,223	$ 8,546,082	$ 8,040,327	$ 505,754
Residential	$ 256,725	$ 563,580	$ 1,060,022	$ 579,616	$ 404,953	$ 177,486	$ 51,946	$ 6,123	$ 7,483	$ 849	$ 18,560	$ 108,412	$ 3,233,755	$ 3,042,382	$ 191,373
SALES HLF CLASSES	$ 42,803	$ 93,963	$ 176,733	$ 96,637	$ 67,516	$ 29,592	$ 8,661	$ 1,021	$ 1,248	$ 142	$ 3,094	$ 17,742	$ 539,151	$ 507,244	$ 31,907
SALES LLF CLASSES	$ 331,649	$ 728,059	$ 1,369,386	$ 748,776	$ 523,137	$ 229,285	$ 67,106	$ 7,909	$ 9,667	$ 1,097	$ 23,977	$ 137,468	$ 4,177,515	$ 3,930,291	$ 247,224
Non-Grandfathered HLF CLASSES	$ 5,204	$ 11,423	$ 21,486	$ 11,748	$ 8,208	$ 3,598	$ 1,053	$ 124	$ 152	$ 17	$ 376	$ 2,157	$ 65,546	$ 61,667	$ 3,879
Non-Grandfathered LLF CLASSES	$ 42,085	$ 92,389	$ 173,771	$ 95,018	$ 66,385	$ 29,096	$ 8,516	$ 1,004	$ 1,227	$ 139	$ 3,043	$ 17,444	$ 530,116	$ 498,744	$ 31,372

REMAINING CAPACITY RELEASE COSTS BY CLASS

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
MONTHLY DEMAND %	7.939%	17.428%	32.780%	17.924%	12.523%	5.489%	1.606%	0.189%	0.231%	0.026%	0.574%	3.291%	100.000%	94.082%	5.918%
Res Heat	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Res General	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TOTAL	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Residential	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SALES HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SALES LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
REMAINING COSTS

1 **REMAINING INTERRUPTIBLE MARGINS BY CLASS**

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
MONTHLY P&S Total	7.939%	17.428%	32.780%	17.924%	12.523%	5.489%	1.606%	0.189%	0.231%	0.026%	0.574%	3.291%	100.000%	94.082%	5.918%
Res Heat	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Res General	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TOTAL	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SALES HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SALES LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

REMAINING OFF SYSTEM REVENUES

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
MONTHLY DEMAND %	7.939%	17.428%	32.780%	17.924%	12.523%	5.489%	1.606%	0.189%	0.231%	0.026%	0.574%	3.291%	100.000%	94.082%	5.918%
Res Heat	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Res General	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
G42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered T42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TOTAL	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Residential	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SALES HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SALES LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non-Grandfathered LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
REMAINING COSTS

REMAINING A&G BY CLASS

		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
1	MONTHLY DEMAND %	7.939%	17.428%	32.780%	17.924%	12.523%	5.489%	1.606%	0.189%	0.231%	0.026%	0.574%	3.291%	100.000%	94.082%	5.918%
2																
3	Res Heat	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4	Res General	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
5	G50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
6	G40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
7	G51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
8	G41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
9	G52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
10	G42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
11	Non-Grandfathered T50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
12	Non-Grandfathered T40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	Non-Grandfathered T51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
14	Non-Grandfathered T41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
15	Non-Grandfathered T52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
16	Non-Grandfathered T42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
17																
18	TOTAL	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
19																
20	Residential	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
21	SALES HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
22	SALES LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
23	Non-Grandfathered HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
24	Non-Grandfathered LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

25 **TOTAL REMAINING DEMAND COSTS BY CLASS BY MONTH**

26

		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
28																
29	MONTHLY PR DEMAND %	7.939%	17.428%	32.780%	17.924%	12.523%	5.489%	1.606%	0.189%	0.231%	0.026%	0.574%	3.291%	100.000%	94.082%	5.918%
30																
31	Res Heat	$ 379,515	$ 833,137	$ 1,567,024	$ 856,844	$ 598,640	$ 262,377	$ 76,791	$ 9,051	$ 11,062	$ 1,255	$ 27,437	$ 157,308	$ 4,760,441	$ 4,497,536	$ 282,905
32	Res General	$ 2,055	$ 4,511	$ 8,484	$ 4,639	$ 3,241	$ 1,420	$ 416	$ 49	$ 60	$ 7	$ 149	$ 852	$ 25,881	$ 24,349	$ 1,532
33	G50 Low Annual-Low Winter	$ 6,649	$ 14,596	$ 27,452	$ 15,011	$ 10,487	$ 4,597	$ 1,345	$ 159	$ 194	$ 22	$ 481	$ 2,756	$ 83,747	$ 78,791	$ 4,956
34	G40 Low Annual-High Winter	$ 212,931	$ 467,440	$ 879,195	$ 480,741	$ 335,873	$ 147,209	$ 43,084	$ 5,078	$ 6,207	$ 704	$ 15,394	$ 88,259	$ 2,682,116	$ 2,523,389	$ 158,727
35	G51 Med Annual-Low Winter	$ 34,678	$ 76,127	$ 143,184	$ 78,293	$ 54,700	$ 23,974	$ 7,017	$ 827	$ 1,011	$ 115	$ 2,507	$ 14,374	$ 436,805	$ 410,955	$ 25,850
36	G41 Med Annual-High Winter	$ 210,527	$ 462,164	$ 869,271	$ 475,314	$ 332,082	$ 145,547	$ 42,598	$ 5,021	$ 6,137	$ 696	$ 15,220	$ 87,263	$ 2,651,840	$ 2,494,905	$ 156,935
37	G52 High Annual-Low Winter	$ 22,291	$ 48,935	$ 92,041	$ 50,328	$ 35,162	$ 15,411	$ 4,510	$ 532	$ 650	$ 74	$ 1,612	$ 9,240	$ 280,786	$ 264,169	$ 16,617
38	G42 High Annual-High Winter	$ 69,471	$ 152,508	$ 286,849	$ 156,848	$ 109,583	$ 48,029	$ 14,057	$ 1,657	$ 2,025	$ 230	$ 5,023	$ 28,796	$ 875,075	$ 823,289	$ 51,787
39	Non-Grandfathered T50 Low Annual-Low Winter	$ 1,027	$ 2,255	$ 4,242	$ 2,319	$ 1,621	$ 710	$ 208	$ 25	$ 30	$ 3	$ 74	$ 426	$ 12,941	$ 12,175	$ 766
40	Non-Grandfathered T40 Low Annual-High Winter	$ 5,466	$ 12,000	$ 22,570	$ 12,341	$ 8,622	$ 3,779	$ 1,106	$ 130	$ 159	$ 18	$ 395	$ 2,266	$ 68,854	$ 64,779	$ 4,075
41	Non-Grandfathered T51 Med Annual-Low Winter	$ 6,125	$ 13,447	$ 25,291	$ 13,829	$ 9,662	$ 4,235	$ 1,239	$ 146	$ 179	$ 20	$ 443	$ 2,539	$ 77,155	$ 72,589	$ 4,566
42	Non-Grandfathered T41 Med Annual-High Winter	$ 45,397	$ 99,658	$ 187,444	$ 102,494	$ 71,608	$ 31,385	$ 9,186	$ 1,083	$ 1,323	$ 150	$ 3,282	$ 18,817	$ 571,827	$ 537,986	$ 33,841
43	Non-Grandfathered T52 High Annual-Low Winter	$ 582	$ 1,277	$ 2,401	$ 1,313	$ 917	$ 402	$ 118	$ 14	$ 17	$ 2	$ 42	$ 241	$ 7,325	$ 6,891	$ 433
44	Non-Grandfathered T42 High Annual-High Winter	$ 11,688	$ 25,659	$ 48,262	$ 26,389	$ 18,437	$ 8,081	$ 2,365	$ 279	$ 341	$ 39	$ 845	$ 4,845	$ 147,229	$ 138,516	$ 8,713
45																
46	TOTAL	$ 1,008,403	$ 2,213,714	$ 4,163,711	$ 2,276,704	$ 1,590,634	$ 697,156	$ 204,040	$ 24,049	$ 29,393	$ 3,335	$ 72,903	$ 417,981	$ 12,702,023	$ 11,950,321	$ 751,702
47																
48	Residential	$ 381,570	$ 837,648	$ 1,575,508	$ 861,483	$ 601,881	$ 263,797	$ 77,207	$ 9,100	$ 11,122	$ 1,262	$ 27,586	$ 158,160	$ 4,806,323	$ 4,521,886	$ 284,437
49	SALES HLF CLASSES	$ 63,618	$ 139,658	$ 262,678	$ 143,632	$ 100,349	$ 43,982	$ 12,872	$ 1,517	$ 1,854	$ 210	$ 4,599	$ 26,369	$ 801,339	$ 753,916	$ 47,423
50	SALES LLF CLASSES	$ 492,930	$ 1,082,112	$ 2,035,315	$ 1,112,903	$ 777,537	$ 340,785	$ 99,739	$ 11,756	$ 14,368	$ 1,630	$ 35,637	$ 204,318	$ 6,209,031	$ 5,841,583	$ 367,448
51	Non-Grandfathered HLF CLASSES	$ 7,734	$ 16,978	$ 31,934	$ 17,462	$ 12,200	$ 5,347	$ 1,565	$ 184	$ 225	$ 26	$ 559	$ 3,206	$ 97,421	$ 91,655	$ 5,765
52	Non-Grandfathered LLF CLASSES	$ 62,551	$ 137,317	$ 258,276	$ 141,225	$ 98,667	$ 43,245	$ 12,657	$ 1,492	$ 1,823	$ 207	$ 4,522	$ 25,927	$ 787,910	$ 741,281	$ 46,628
53																
54																

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
REMAINING COSTS

REMAINING TOTAL COSTS BY CLASS

		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
1	Res Heat	$ 1,338,808	$ 2,438,491	$ 3,503,883	$ 2,475,756	$ 1,892,780	$ 1,143,228	$ 366,218	$ 53,138	$ 35,764	$ 5,293	$ 146,462	$ 734,471	$ 14,134,293	$ 12,792,947	$ 1,341,346
2	Res General	$ 9,014	$ 15,523	$ 21,777	$ 16,563	$ 12,110	$ 7,908	$ 2,322	$ 744	$ 1,981	$ 321	$ 1,340	$ 4,736	$ 94,339	$ 82,896	$ 11,443
3	G50 Low Annual-Low Winter	$ 26,789	$ 43,190	$ 61,786	$ 50,603	$ 33,688	$ 24,785	$ 2,633	$ 5,040	$ 2,903	$ 465	$ 6,415	$ 2,756	$ 261,052	$ 240,841	$ 20,211
4	G40 Low Annual-High Winter	$ 749,888	$ 1,367,998	$ 1,965,168	$ 1,384,224	$ 1,062,331	$ 640,418	$ 207,023	$ 30,088	$ 13,843	$ 1,952	$ 82,079	$ 412,519	$ 7,917,532	$ 7,170,027	$ 747,505
5	G51 Med Annual-Low Winter	$ 117,657	$ 205,149	$ 298,519	$ 219,114	$ 158,996	$ 102,103	$ 30,267	$ 11,141	$ 9,196	$ 1,453	$ 18,358	$ 55,285	$ 1,227,236	$ 1,101,537	$ 125,698
6	G41 Med Annual-High Winter	$ 754,275	$ 1,372,863	$ 1,967,450	$ 1,390,358	$ 1,066,752	$ 645,219	$ 208,359	$ 31,132	$ 16,965	$ 2,466	$ 83,429	$ 415,111	$ 7,954,380	$ 7,196,917	$ 757,463
7	G52 High Annual-Low Winter	$ 199,188	$ 343,440	$ 447,126	$ 348,226	$ 272,775	$ 178,305	$ 58,073	$ 10,159	$ 6,678	$ 1,059	$ 24,775	$ 115,180	$ 2,004,984	$ 1,789,060	$ 215,924
8	G42 High Annual-High Winter	$ 104,865	$ 260,241	$ 432,884	$ 272,912	$ 182,166	$ 58,099	$ 14,057	$ 1,657	$ 82,000	$ 13,302	$ 5,023	$ 28,796	$ 1,456,001	$ 1,311,167	$ 144,834
9	Non-Grandfathered T50 Low Annual-Low Winter	$ 9,882	$ 17,007	$ 22,033	$ 17,236	$ 13,527	$ 8,870	$ 2,888	$ 497	$ 69	$ 10	$ 1,234	$ 5,736	$ 98,988	$ 88,555	$ 10,433
10	Non-Grandfathered T40 Low Annual-High Winter	$ 36,367	$ 63,698	$ 84,904	$ 64,354	$ 50,325	$ 32,193	$ 10,516	$ 1,651	$ 936	$ 145	$ 4,310	$ 20,872	$ 370,273	$ 331,842	$ 38,430
11	Non-Grandfathered T51 Med Annual-Low Winter	$ 18,867	$ 33,133	$ 48,998	$ 35,491	$ 25,572	$ 16,250	$ 4,755	$ 1,791	$ 3,061	$ 491	$ 2,930	$ 6,085	$ 197,423	$ 178,310	$ 19,113
12	Non-Grandfathered T41 Med Annual-High Winter	$ 182,973	$ 329,248	$ 464,282	$ 334,124	$ 256,842	$ 157,971	$ 50,959	$ 8,222	$ 2,266	$ 304	$ 20,998	$ 101,428	$ 1,909,617	$ 1,725,440	$ 184,177
13	Non-Grandfathered T52 High Annual-Low Winter	$ 582	$ 1,277	$ 2,401	$ 1,313	$ 917	$ 402	$ 118	$ 14	$ 469	$ 76	$ 447	$ 554	$ 8,568	$ 6,891	$ 1,677
14	Non-Grandfathered T42 High Annual-High Winter	$ 71,645	$ 127,498	$ 171,628	$ 129,340	$ 100,091	$ 62,433	$ 18,179	$ 279	$ 5,793	$ 930	$ 5,591	$ 39,106	$ 732,513	$ 662,635	$ 69,878
15																
16	TOTAL	$ 3,620,799	$ 6,618,755	$ 9,492,841	$ 6,739,615	$ 5,128,872	$ 3,078,184	$ 976,368	$ 155,552	$ 181,923	$ 28,268	$ 403,389	$ 1,942,633	$ 38,367,199	$ 34,679,067	$ 3,688,133
17																
18	Residential	$ 1,347,822	$ 2,454,014	$ 3,525,660	$ 2,492,319	$ 1,904,890	$ 1,151,137	$ 368,540	$ 53,882	$ 37,744	$ 5,614	$ 147,802	$ 739,206	$ 15,966,251	$ 14,449,841	$ 1,516,410
19	SALES HLF CLASSES	$ 343,635	$ 591,778	$ 807,431	$ 617,943	$ 465,459	$ 305,193	$ 90,974	$ 26,339	$ 18,777	$ 2,977	$ 49,547	$ 173,221	$ 3,493,272	$ 3,131,438	$ 361,834
20	SALES LLF CLASSES	$ 1,609,027	$ 3,001,102	$ 4,365,503	$ 3,047,494	$ 2,311,249	$ 1,343,737	$ 429,439	$ 62,877	$ 112,807	$ 17,721	$ 170,531	$ 856,426	$ 31,462,206	$ 28,471,058	$ 2,991,147
21	Non-Grandfathered HLF CLASSES	$ 29,330	$ 51,417	$ 73,432	$ 54,040	$ 40,016	$ 25,522	$ 7,761	$ 2,302	$ 3,599	$ 577	$ 4,610	$ 12,374	$ 304,979	$ 273,756	$ 31,223
22	Non-Grandfathered LLF CLASSES	$ 290,985	$ 520,444	$ 720,815	$ 527,819	$ 407,258	$ 252,596	$ 79,654	$ 10,152	$ 8,996	$ 1,379	$ 30,899	$ 161,405	$ 3,012,403	$ 2,719,918	$ 292,486
23																
24																
25																

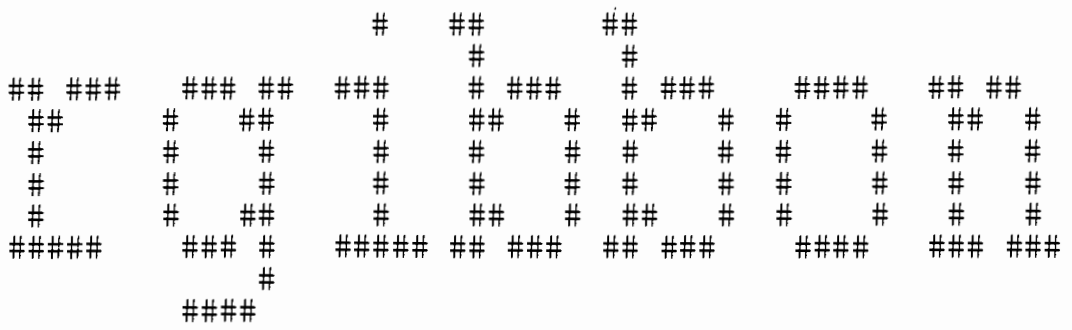
TOTAL REMAINING COMMODITY COSTS INCLUDING INTERRUPTIBLE (From Commodity tab) (Allocate to classes based on Remaining Sendout)

		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
27																
28																
29																
30	TOTAL REMAINING	$ 2,621,610	$ 4,405,042	$ 5,329,129	$ 4,462,911	$ 3,538,238	$ 2,392,661	$ 772,328	$ 131,503	$ 152,530	$ 24,932	$ 330,486	$ 1,524,652	$ 25,686,022	$ 22,749,591	$ 2,936,431
31																
32	Res Heat	$ 962,677	$ 1,605,354	$ 1,936,859	$ 1,618,912	$ 1,294,140	$ 885,155	$ 289,427	$ 44,087	$ 24,702	$ 4,038	$ 119,025	$ 577,162	$ 9,361,538	$ 8,303,097	$ 1,058,441
33	Res General	$ 6,984	$ 11,013	$ 13,293	$ 11,924	$ 8,869	$ 6,519	$ 1,906	$ 695	$ 1,921	$ 314	$ 1,191	$ 3,884	$ 68,514	$ 58,603	$ 9,911
34	G50 Low Annual-Low Winter	$ 20,212	$ 28,594	$ 34,334	$ 35,592	$ 23,200	$ 20,287	$ 1,288	$ 4,882	$ 2,709	$ 443	$ 5,934	$ -	$ 177,474	$ 162,219	$ 15,255
35	G40 Low Annual-High Winter	$ 538,850	$ 900,558	$ 1,085,973	$ 903,483	$ 726,458	$ 495,619	$ 163,939	$ 25,010	$ 7,636	$ 1,248	$ 66,685	$ 324,260	$ 5,239,719	$ 4,650,941	$ 588,778
36	G51 Med Annual-Low Winter	$ 83,272	$ 129,022	$ 155,334	$ 140,821	$ 104,296	$ 78,510	$ 23,250	$ 10,313	$ 8,185	$ 1,338	$ 15,850	$ 40,911	$ 791,105	$ 691,256	$ 99,848
37	G41 Med Annual-High Winter	$ 545,665	$ 910,699	$ 1,098,179	$ 915,044	$ 734,670	$ 502,113	$ 165,761	$ 26,111	$ 10,828	$ 1,770	$ 68,209	$ 327,848	$ 5,306,899	$ 4,706,371	$ 600,528
38	G52 High Annual-Low Winter	$ 177,521	$ 294,504	$ 355,085	$ 297,898	$ 237,613	$ 163,690	$ 53,563	$ 9,627	$ 6,029	$ 985	$ 23,164	$ 105,940	$ 1,725,618	$ 1,526,311	$ 199,307
39	G42 High Annual-High Winter	$ 35,518	$ 107,732	$ 146,035	$ 116,064	$ 72,583	$ 10,120	$ -	$ -	$ 79,975	$ 13,072	$ -	$ -	$ 581,099	$ 488,052	$ 93,047
40	Non-Grandfathered T50 Low Annual-Low Winter	$ 8,886	$ 14,752	$ 17,791	$ 14,916	$ 11,907	$ 8,199	$ 2,681	$ 473	$ 39	$ 6	$ 1,159	$ 5,310	$ 86,118	$ 76,451	$ 9,667
41	Non-Grandfathered T40 Low Annual-High Winter	$ 31,010	$ 51,699	$ 62,334	$ 52,013	$ 41,703	$ 28,553	$ 9,410	$ 1,521	$ 777	$ 127	$ 3,915	$ 18,606	$ 301,667	$ 267,311	$ 34,356
42	Non-Grandfathered T51 Med Annual-Low Winter	$ 12,786	$ 19,686	$ 23,706	$ 21,662	$ 15,910	$ 12,074	$ 3,515	$ 1,645	$ 2,883	$ 471	$ 2,487	$ 3,546	$ 120,371	$ 105,825	$ 14,547
43	Non-Grandfathered T41 Med Annual-High Winter	$ 138,062	$ 229,590	$ 276,838	$ 231,630	$ 185,234	$ 127,204	$ 41,773	$ 7,139	$ 943	$ 154	$ 17,716	$ 82,611	$ 1,338,894	$ 1,188,558	$ 150,337
44	Non-Grandfathered T52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 452	$ 74	$ 405	$ 313	$ 1,243	$ -	$ 1,243
45	Non-Grandfathered T42 High Annual-High Winter	$ 60,168	$ 101,839	$ 123,366	$ 102,951	$ 81,654	$ 54,617	$ 15,814	$ -	$ 5,453	$ 891	$ 4,746	$ 34,261	$ 585,761	$ 524,596	$ 61,165
46																
47	TOTAL	$ 2,621,610	$ 4,405,042	$ 5,329,129	$ 4,462,911	$ 3,538,238	$ 2,392,661	$ 772,328	$ 131,503	$ 152,530	$ 24,932	$ 330,486	$ 1,524,652	$ 25,686,022	$ 22,749,591	$ 2,936,431
48																
49	Residential	$ 969,660	$ 1,616,367	$ 1,950,152	$ 1,630,837	$ 1,303,010	$ 891,675	$ 291,333	$ 44,782	$ 26,622	$ 4,352	$ 120,216	$ 581,046			
50	SALES HLF CLASSES	$ 281,005	$ 452,120	$ 544,753	$ 474,311	$ 365,110	$ 262,487	$ 78,101	$ 24,822	$ 16,922	$ 2,766	$ 44,948	$ 146,851	#REF!	#REF!	#REF!
51	SALES LLF CLASSES	$ 1,120,034	$ 1,918,990	$ 2,330,188	$ 1,934,591	$ 1,533,711	$ 1,007,851	$ 329,700	$ 51,121	$ 98,439	$ 16,091	$ 134,894	$ 652,108	$ 20,489,256	$ 18,148,462	$ 2,340,794
52	Non-Grandfathered HLF CLASSES	$ 21,672	$ 34,438	$ 41,497	$ 36,578	$ 27,817	$ 20,273	$ 6,196	$ 2,117	$ 3,374	$ 551	$ 4,051	$ 9,168	$ 207,733	$ 182,276	$ 25,457
53	Non-Grandfathered LLF CLASSES	$ 229,239	$ 383,127	$ 462,539	$ 386,594	$ 308,591	$ 210,375	$ 66,998	$ 8,660	$ 7,172	$ 1,172	$ 26,377	$ 135,478	$ 2,226,322	$ 1,980,464	$ 245,858
54																
55																
56																

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
REMAINING COSTS

TOTAL REMAINING INTERRUPTIBLE COMMODITY COSTS (From Commodity tab) (Allocate to classes based on Remaining Sendout)

		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
1	TOTAL REMAINING	$ 9,213	$ -	$ -	$ -	$ -	$ 11,633							$ 20,846	$ 20,846	$ -
2																
3	Res Heat	$ 3,383	$ -	$ -	$ -	$ -	$ 4,303	$ -	$ -	$ -	$ -	$ -	$ -	$ 7,687	$ 7,687	$ -
4	Res General	$ 25	$ -	$ -	$ -	$ -	$ 32	$ -	$ -	$ -	$ -	$ -	$ -	$ 56	$ 56	$ -
5	G50 Low Annual-Low Winter	$ 71	$ -	$ -	$ -	$ -	$ 99	$ -	$ -	$ -	$ -	$ -	$ -	$ 170	$ 170	$ -
6	G40 Low Annual-High Winter	$ 1,894	$ -	$ -	$ -	$ -	$ 2,410	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,303	$ 4,303	$ -
7	G51 Med Annual-Low Winter	$ 293	$ -	$ -	$ -	$ -	$ 382	$ -	$ -	$ -	$ -	$ -	$ -	$ 674	$ 674	$ -
8	G41 Med Annual-High Winter	$ 1,918	$ -	$ -	$ -	$ -	$ 2,441	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,359	$ 4,359	$ -
9	G52 High Annual-Low Winter	$ 624	$ -	$ -	$ -	$ -	$ 796	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,420	$ 1,420	$ -
10	G42 High Annual-High Winter	$ 125	$ -	$ -	$ -	$ -	$ 49	$ -	$ -	$ -	$ -	$ -	$ -	$ 174	$ 174	$ -
11	Non-Grandfathered T50 Low Annual-Low Winter	$ 31	$ -	$ -	$ -	$ -	$ 40	$ -	$ -	$ -	$ -	$ -	$ -	$ 71	$ 71	$ -
12	Non-Grandfathered T40 Low Annual-High Winter	$ 109	$ -	$ -	$ -	$ -	$ 139	$ -	$ -	$ -	$ -	$ -	$ -	$ 248	$ 248	$ -
13	Non-Grandfathered T51 Med Annual-Low Winter	$ 45	$ -	$ -	$ -	$ -	$ 59	$ -	$ -	$ -	$ -	$ -	$ -	$ 104	$ 104	$ -
14	Non-Grandfathered T41 Med Annual-High Winter	$ 485	$ -	$ -	$ -	$ -	$ 618	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,104	$ 1,104	$ -
15	Non-Grandfathered T52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
16	Non-Grandfathered T42 High Annual-High Winter	$ 211	$ -	$ -	$ -	$ -	$ 266	$ -	$ -	$ -	$ -	$ -	$ -	$ 477	$ 477	$ -
17																
18	TOTAL	$ 9,213	$ -	$ -	$ -	$ -	$ 11,633	$ -	$ -	$ -	$ -	$ -	$ -	$ 20,846	$ 20,846	$ -
19																
20	SALES HLF CLASSES	$ 1,012	$ -	$ -	$ -	$ -	$ 1,308	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,320	$ 2,320	$ -
21	SALES LLF CLASSES	$ 7,319	$ -	$ -	$ -	$ -	$ 9,203	$ -	$ -	$ -	$ -	$ -	$ -	$ 16,523	$ 16,523	$ -
22	Non-Grandfathered HLF CLASSES	$ 76	$ -	$ -	$ -	$ -	$ 99	$ -	$ -	$ -	$ -	$ -	$ -	$ 175	$ 175	$ -
23	Non-Grandfathered LLF CLASSES	$ 806	$ -	$ -	$ -	$ -	$ 1,023	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,828	$ 1,828	$ -



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Northern Utilities - N[illegible]AMPSHIRE DIVISION
Simplified Market Based Alloctor (SMBA) Calculations
Cost Summary

Summary of Gas Costs

Line		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
1	**BASE COMMODITY**															
2	Res Heat	$ 310,888	$ 341,909	$ 353,222	$ 330,531	$ 344,271	$ 306,246	$ 271,996	$ 259,941	$ 272,335	$ 251,218	$ 275,028	$ 291,361	$ 3,608,947	$ 1,987,067	$ 1,621,880
3	Res General	$ 17,373	$ 19,107	$ 19,739	$ 18,471	$ 19,239	$ 17,114	$ 15,200	$ 14,526	$ 15,219	$ 13,474	$ 15,369	$ 16,282	$ 201,113	$ 111,042	$ 90,071
5	G50 Low Annual-Low Winter	$ 131,054	$ 144,130	$ 148,899	$ 139,334	$ 145,126	$ 129,097	$ 114,659	$ 109,577	$ 114,802	$ 113,947	$ 115,937	$ 121,043	$ 1,527,605	$ 837,640	$ 689,965
6	G40 Low Annual-High Winter	$ 87,197	$ 95,898	$ 99,070	$ 92,706	$ 96,560	$ 85,895	$ 76,289	$ 72,907	$ 76,384	$ 69,721	$ 77,139	$ 81,720	$ 1,011,486	$ 557,326	$ 454,160
7	G51 Med Annual-Low Winter	$ 223,972	$ 246,320	$ 254,470	$ 238,123	$ 248,022	$ 220,628	$ 195,953	$ 187,268	$ 196,198	$ 191,023	$ 198,138	$ 209,904	$ 2,610,021	$ 1,431,536	$ 1,178,485
8	G41 Med Annual-High Winter	$ 114,034	$ 125,412	$ 129,562	$ 121,239	$ 126,278	$ 112,331	$ 99,768	$ 95,346	$ 88,773	$ 101,611	$ 100,880	$ 106,871	$ 1,322,106	$ 728,856	$ 593,250
9	G52 High Annual-Low Winter	$ 73,878	$ 81,250	$ 83,938	$ 78,546	$ 81,811	$ 72,775	$ 64,636	$ 61,771	$ 58,526	$ 65,830	$ 65,357	$ 69,238	$ 857,556	$ 472,198	$ 385,358
10	G42 High Annual-High Winter	$ 164,133	$ 180,510	$ 186,483	$ 174,503	$ 181,757	$ 161,682	$ 87,941	$ 31,853	$ 143,779	$ 62,714	$ 60,139	$ 126,027	$ 1,561,522	$ 1,049,069	$ 512,453
11	Non-Grandfathered T50 Low Annual-Low Winter	$ 3,534	$ 3,886	$ 4,015	$ 3,757	$ 3,913	$ 3,481	$ 3,091	$ 2,954	$ 3,056	$ 3,149	$ 3,126	$ 3,312	$ 41,273	$ 22,585	$ 18,688
12	Non-Grandfathered T40 Low Annual-High Winter	$ 7,787	$ 8,564	$ 8,848	$ 8,279	$ 8,624	$ 7,671	$ 6,813	$ 6,511	$ 6,822	$ 6,128	$ 6,889	$ 7,298	$ 90,235	$ 49,774	$ 40,461
13	Non-Grandfathered T51 Med Annual-Low Winter	$ 37,356	$ 41,083	$ 42,443	$ 39,716	$ 41,367	$ 36,798	$ 32,683	$ 31,234	$ 32,723	$ 30,275	$ 33,047	$ 35,010	$ 433,735	$ 238,763	$ 194,972
14	Non-Grandfathered T41 Med Annual-High Winter	$ 46,135	$ 50,739	$ 52,418	$ 49,050	$ 51,089	$ 45,447	$ 40,364	$ 38,575	$ 40,414	$ 40,125	$ 40,814	$ 43,238	$ 538,407	$ 294,878	$ 243,529
15	Non-Grandfathered T52 High Annuel-Low Winter	$ 8,754	$ 10,233	$ 12,106	$ 11,986	$ 10,465	$ 9,776	$ 7,103	$ 7,797	$ 9,885	$ 9,583	$ 9,983	$ 10,576	$ 118,246	$ 63,320	$ 54,927
16	Non-Grandfathered T42 High Annual-High Winter	$ 24,603	$ 27,058	$ 27,954	$ 26,158	$ 27,245	$ 24,236	$ 21,526	$ 20,322	$ 21,552	$ 16,227	$ 21,766	$ 23,058	$ 281,705	$ 157,255	$ 124,451
17																
18	TOTAL	$ 1,250,699	$ 1,376,101	$ 1,423,165	$ 1,332,399	$ 1,385,767	$ 1,233,177	$ 1,038,022	$ 940,584	$ 1,080,468	$ 975,026	$ 1,023,612	$ 1,144,938	$ 14,203,956	$ 8,001,307	$ 6,202,649
19																
20	Residential	$ 328,262	$ 361,016	$ 372,960	$ 349,002	$ 363,509	$ 323,360	$ 287,196	$ 274,467	$ 287,554	$ 264,693	$ 290,398	$ 307,643	$ 3,810,060	$ 2,098,109	$ 1,711,951
21	SALES HLF CLASSES	$ 428,904	$ 471,700	$ 487,307	$ 456,003	$ 474,959	$ 422,500	$ 375,248	$ 358,617	$ 369,525	$ 370,801	$ 379,432	$ 400,185	$ 4,995,181	$ 2,741,374	$ 2,253,808
22	SALES LLF CLASSES	$ 365,364	$ 401,820	$ 415,115	$ 388,448	$ 404,596	$ 359,908	$ 263,998	$ 200,106	$ 308,936	$ 234,046	$ 238,158	$ 314,619	$ 3,895,114	$ 2,335,251	$ 1,559,863
23	Non-Grandfathered HLF CLASSES	$ 49,643	$ 55,203	$ 58,563	$ 55,459	$ 55,745	$ 50,055	$ 42,877	$ 41,985	$ 45,664	$ 43,007	$ 46,156	$ 48,897	$ 593,254	$ 324,668	$ 268,586
24	Non-Grandfathered LLF CLASSES	$ 78,526	$ 86,362	$ 89,219	$ 83,488	$ 86,958	$ 77,354	$ 68,703	$ 65,408	$ 68,788	$ 62,480	$ 69,468	$ 73,594	$ 910,347	$ 501,906	$ 408,441
25																
26																
27																
28	**REMAINING COMMODITY**															
29	Res Heat	$ 959,293	$ 1,605,354	$ 1,936,859	$ 1,618,912	$ 1,294,140	$ 880,852	$ 289,427	$ 44,087	$ 24,702	$ 4,038	$ 119,025	$ 577,162	$ 9,353,851	$ 8,295,411	$ 1,058,441
30	Res General	$ 6,959	$ 11,013	$ 13,293	$ 11,924	$ 8,869	$ 6,488	$ 1,906	$ 695	$ 1,921	$ 314	$ 1,191	$ 3,884	$ 68,458	$ 58,547	$ 9,911
31	G50 Low Annual-Low Winter	$ 20,141	$ 28,594	$ 34,334	$ 35,592	$ 23,200	$ 20,188	$ 1,288	$ 4,882	$ 2,709	$ 443	$ 5,934	$ -	$ 177,305	$ 162,049	$ 15,255
32	G40 Low Annual-High Winter	$ 536,957	$ 900,558	$ 1,085,973	$ 903,483	$ 726,458	$ 493,209	$ 163,939	$ 25,010	$ 7,636	$ 1,248	$ 66,685	$ 324,260	$ 5,235,416	$ 4,646,638	$ 588,778
33	G51 Med Annual-Low Winter	$ 82,980	$ 129,022	$ 155,334	$ 140,821	$ 104,296	$ 78,129	$ 23,250	$ 10,313	$ 8,185	$ 1,338	$ 15,850	$ 40,911	$ 790,431	$ 690,582	$ 99,848
34	G41 Med Annual-High Winter	$ 543,748	$ 910,699	$ 1,098,179	$ 915,044	$ 734,670	$ 499,672	$ 165,761	$ 26,111	$ 10,828	$ 1,770	$ 68,209	$ 327,848	$ 5,302,540	$ 4,702,013	$ 600,528
35	G52 High Annual-Low Winter	$ 176,897	$ 294,504	$ 355,085	$ 297,898	$ 237,613	$ 162,894	$ 53,563	$ 9,627	$ 6,029	$ 985	$ 23,164	$ 105,940	$ 1,724,199	$ 1,524,891	$ 199,307
36	G42 High Annual-High Winter	$ 35,393	$ 107,732	$ 146,035	$ 116,064	$ 72,583	$ 10,070	$ -	$ -	$ 79,975	$ 13,072	$ -	$ -	$ 580,925	$ 487,878	$ 93,047
37	Non-Grandfathered T50 Low Annual-Low Winter	$ 8,855	$ 14,752	$ 17,791	$ 14,916	$ 11,907	$ 8,160	$ 2,681	$ 473	$ 39	$ 6	$ 1,159	$ 5,310	$ 86,047	$ 76,380	$ 9,667
38	Non-Grandfathered T40 Low Annual-High Winter	$ 30,901	$ 51,699	$ 62,334	$ 52,013	$ 41,703	$ 28,414	$ 9,410	$ 1,521	$ 777	$ 127	$ 3,915	$ 18,606	$ 301,419	$ 267,063	$ 34,356
39	Non-Grandfathered T51 Med Annuel-Low Winter	$ 12,741	$ 19,686	$ 23,706	$ 21,662	$ 15,910	$ 12,015	$ 3,515	$ 1,645	$ 2,883	$ 471	$ 2,487	$ 3,546	$ 120,268	$ 105,721	$ 14,547
40	Non-Grandfathered T41 Med Annual-High Winter	$ 137,577	$ 229,590	$ 276,838	$ 231,630	$ 185,234	$ 126,586	$ 41,773	$ 7,139	$ 943	$ 154	$ 17,716	$ 82,611	$ 1,337,791	$ 1,187,454	$ 150,337
41	Non-Grandfatherad T52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 452	$ 74	$ 405	$ 313	$ 1,243	$ -	$ 1,243
42	Non-Grandfathered T42 High Annual-High Winter	$ 59,956	$ 101,839	$ 123,366	$ 102,951	$ 81,654	$ 54,352	$ 15,814	$ -	$ 5,453	$ 891	$ 4,746	$ 34,261	$ 585,284	$ 524,119	$ 61,165
43																
44	TOTAL	$ 2,612,396	$ 4,405,042	$ 5,329,129	$ 4,462,911	$ 3,538,238	$ 2,381,028	$ 772,328	$ 131,503	$ 152,530	$ 24,932	$ 330,486	$ 1,524,652	$ 25,665,177	$ 22,728,745	$ 2,936,431
45																
46	Residential	$ 966,252	$ 1,616,367	$ 1,950,152	$ 1,630,837	$ 1,303,010	$ 887,340	$ 291,333	$ 44,782	$ 26,622	$ 4,352	$ 120,216	$ 581,046	$ 9,422,310	$ 8,353,957	$ 1,068,352
47	SALES HLF CLASSES	$ 280,017	$ 452,120	$ 544,753	$ 474,311	$ 365,110	$ 261,211	$ 78,101	$ 24,822	$ 16,922	$ 2,766	$ 44,948	$ 146,851	$ 2,691,934	$ 2,377,523	$ 314,411
48	SALES LLF CLASSES	$ 1,116,097	$ 1,918,990	$ 2,330,188	$ 1,934,591	$ 1,533,711	$ 1,002,951	$ 329,700	$ 51,121	$ 98,439	$ 16,091	$ 134,894	$ 652,108	$ 11,118,881	$ 9,836,529	$ 1,282,353
49	Non-Grandfathered HLF CLASSES	$ 21,596	$ 34,438	$ 41,497	$ 36,578	$ 27,817	$ 20,175	$ 6,196	$ 2,117	$ 3,374	$ 551	$ 4,051	$ 9,168	$ 207,558	$ 182,101	$ 25,457
50	Non-Grandfathered LLF CLASSES	$ 228,433	$ 383,127	$ 462,539	$ 386,594	$ 308,591	$ 209,352	$ 66,998	$ 8,660	$ 7,172	$ 1,172	$ 26,377	$ 135,478	$ 2,224,494	$ 1,978,636	$ 245,858
51																
52																

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Simplified Market Bas[illegible] Allocator (SMBA) Calculations
Cost Summary

Summary of Gas Costs

Line		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER		SUMMER
1	TOTAL COMMODITY																
2	Res Heat	$ 1,270,182	$ 1,947,263	$ 2,290,080	$ 1,949,443	$ 1,638,411	$ 1,187,098	$ 561,424	$ 304,028	$ 297,037	$ 255,256	$ 394,053	$ 868,523	$ 12,962,798	$ 10,282,477		$ 2,680,321
3	Res General	$ 24,332	$ 30,120	$ 33,032	$ 30,395	$ 28,108	$ 23,602	$ 17,106	$ 15,221	$ 17,139	$ 13,788	$ 16,561	$ 20,166	$ 269,571	$ 169,589		$ 99,982
4	G50 Low Annual-Low Winter	$ 151,194	$ 172,724	$ 183,233	$ 174,926	$ 168,326	$ 149,285	$ 115,947	$ 114,459	$ 117,511	$ 114,390	$ 121,871	$ 121,043	$ 1,704,909	$ 999,689		$ 705,220
5	G40 Low Annual-High Winter	$ 624,154	$ 996,456	$ 1,185,043	$ 996,189	$ 823,018	$ 579,104	$ 240,228	$ 97,917	$ 84,020	$ 70,970	$ 143,824	$ 405,980	$ 6,246,902	$ 5,203,964		$ 1,042,938
6	G51 Med Annual-Low Winter	$ 306,952	$ 375,342	$ 409,805	$ 378,944	$ 352,318	$ 298,757	$ 219,204	$ 197,582	$ 204,383	$ 192,361	$ 213,988	$ 250,816	$ 3,400,451	$ 2,122,118		$ 1,278,333
7	G41 Med Annual-High Winter	$ 657,781	$ 1,036,112	$ 1,227,741	$ 1,036,282	$ 860,949	$ 612,003	$ 265,529	$ 121,458	$ 99,601	$ 103,381	$ 169,089	$ 434,719	$ 6,624,646	$ 5,430,868		$ 1,193,778
8	G52 High Annual-Low Winter	$ 250,775	$ 375,754	$ 439,023	$ 376,444	$ 319,424	$ 235,669	$ 118,199	$ 71,398	$ 64,554	$ 66,815	$ 88,520	$ 175,178	$ 2,581,755	$ 1,997,089		$ 584,665
9	G42 High Annual-High Winter	$ 199,526	$ 288,242	$ 332,518	$ 290,568	$ 254,340	$ 171,753	$ 87,941	$ 31,853	$ 223,754	$ 75,786	$ 60,139	$ 126,027	$ 2,142,447	$ 1,536,947		$ 605,500
10	Non-Grandfathered T50 Low Annual-Low Winter	$ 12,388	$ 18,638	$ 21,806	$ 18,673	$ 15,820	$ 11,640	$ 5,772	$ 3,427	$ 3,094	$ 3,155	$ 4,285	$ 8,621	$ 127,320	$ 98,965		$ 28,355
11	Non-Grandfathered T40 Low Annual-High Winter	$ 38,688	$ 60,263	$ 71,182	$ 60,292	$ 50,327	$ 36,085	$ 16,223	$ 8,032	$ 7,598	$ 6,255	$ 10,804	$ 25,904	$ 391,654	$ 316,837		$ 74,817
12	Non-Grendfathered T51 Med Annual-Low Winter	$ 50,097	$ 60,770	$ 66,149	$ 61,378	$ 57,277	$ 48,813	$ 36,198	$ 32,879	$ 35,606	$ 30,746	$ 35,534	$ 38,555	$ 554,003	$ 344,484		$ 209,519
13	Non-Grandfathered T41 Med Annual-High Winter	$ 183,712	$ 280,328	$ 329,255	$ 280,681	$ 236,323	$ 172,032	$ 82,137	$ 45,714	$ 41,357	$ 40,279	$ 58,530	$ 125,848	$ 1,876,197	$ 1,482,332		$ 393,866
14	Non-Grandfathered T52 High Annual-Low Winter	$ 8,754	$ 10,233	$ 12,106	$ 11,986	$ 10,465	$ 9,776	$ 7,103	$ 7,797	$ 10,337	$ 9,657	$ 10,388	$ 10,888	$ 119,490	$ 63,320		$ 56,170
15	Non-Grandfathered T42 High Annual-High Winter	$ 84,560	$ 128,897	$ 151,320	$ 129,109	$ 108,899	$ 78,588	$ 37,340	$ 20,322	$ 27,005	$ 17,119	$ 26,511	$ 57,319	$ 866,989	$ 681,373		$ 185,616
16																	
17	TOTAL	$ 3,863,095	$ 5,781,142	$ 6,752,294	$ 5,795,310	$ 4,924,005	$ 3,614,206	$ 1,810,350	$ 1,072,087	$ 1,232,998	$ 999,958	$ 1,354,098	$ 2,669,590	$ 39,869,132	$ 30,730,052		$ 9,139,080
18																	
19	Residential	$ 1,294,514	$ 1,977,382	$ 2,323,113	$ 1,979,838	$ 1,666,519	$ 1,210,700	$ 578,530	$ 319,250	$ 314,176	$ 269,044	$ 410,614	$ 888,689	$ 13,232,370	$ 10,452,067		$ 2,780,303
20	SALES HLF CLASSES	$ 708,921	$ 923,821	$ 1,032,061	$ 930,314	$ 840,068	$ 683,711	$ 453,349	$ 383,439	$ 386,448	$ 373,567	$ 424,380	$ 547,037	$ 7,687,115	$ 5,118,896	30%	$ 2,568,219
21	SALES LLF CLASSES	$ 1,481,461	$ 2,320,810	$ 2,745,303	$ 2,323,039	$ 1,938,307	$ 1,362,860	$ 593,698	$ 251,228	$ 407,375	$ 250,137	$ 373,052	$ 966,727	$ 15,013,995	$ 12,171,779	70%	$ 2,842,216
22	Non-Grandfathered HLF CLASSES	$ 71,239	$ 89,641	$ 100,060	$ 92,037	$ 83,561	$ 70,230	$ 49,072	$ 44,103	$ 49,038	$ 43,558	$ 50,207	$ 58,065	$ 800,812	$ 506,768		$ 294,044
23	Non-Grandfathered LLF CLASSES	$ 306,959	$ 469,489	$ 551,758	$ 470,082	$ 395,549	$ 286,705	$ 135,700	$ 74,068	$ 75,961	$ 63,652	$ 95,845	$ 209,072	$ 3,134,840	$ 2,480,542		$ 654,298
24																	
25																	
26																	
27	BASE CAPACITY																
28	Res Heat	$ 14,024	$ 14,018	$ 14,003	$ 13,996	$ 14,016	$ 14,011	$ 14,784	$ 15,592	$ 14,221	$ 14,537	$ 15,159	$ 14,357	$ 172,719	$ 84,069		$ 88,650
29	Res General	$ 784	$ 783	$ 783	$ 782	$ 783	$ 783	$ 826	$ 871	$ 795	$ 780	$ 847	$ 802	$ 9,619	$ 4,698		$ 4,921
30	G50 Low Annual-Low Winter	$ 5,912	$ 5,909	$ 5,903	$ 5,900	$ 5,909	$ 5,906	$ 6,232	$ 6,573	$ 5,995	$ 6,593	$ 6,390	$ 5,965	$ 73,187	$ 35,439		$ 37,748
31	G40 Low Annual-High Winter	$ 3,933	$ 3,932	$ 3,928	$ 3,926	$ 3,931	$ 3,930	$ 4,147	$ 4,373	$ 3,989	$ 4,034	$ 4,252	$ 4,027	$ 48,401	$ 23,579		$ 24,821
32	G51 Med Annual-Low Winter	$ 10,103	$ 10,099	$ 10,088	$ 10,083	$ 10,098	$ 10,094	$ 10,651	$ 11,233	$ 10,245	$ 11,053	$ 10,921	$ 10,344	$ 125,012	$ 60,566		$ 64,446
33	G41 Med Annual-High Winter	$ 5,144	$ 5,142	$ 5,136	$ 5,134	$ 5,141	$ 5,139	$ 5,423	$ 5,719	$ 4,636	$ 5,880	$ 5,560	$ 5,266	$ 63,320	$ 30,836		$ 32,484
34	G52 High Annual-Low Winter	$ 3,333	$ 3,331	$ 3,328	$ 3,326	$ 3,331	$ 3,330	$ 3,513	$ 3,705	$ 3,056	$ 3,809	$ 3,602	$ 3,412	$ 41,076	$ 19,978		$ 21,098
35	G42 High Annual-High Winter	$ 7,404	$ 7,401	$ 7,393	$ 7,389	$ 7,400	$ 7,397	$ 4,780	$ 1,911	$ 7,508	$ 3,629	$ 3,315	$ 6,210	$ 71,736	$ 44,384		$ 27,352
36	Non-Grandfathered T50 Low Annual-Low Winter	$ 159	$ 159	$ 159	$ 159	$ 159	$ 159	$ 168	$ 177	$ 160	$ 182	$ 172	$ 163	$ 1,978	$ 956		$ 1,022
37	Non-Grandfathered T40 Low Annual-High Winter	$ 351	$ 351	$ 351	$ 351	$ 351	$ 351	$ 370	$ 391	$ 356	$ 355	$ 380	$ 360	$ 4,317	$ 2,106		$ 2,211
38	Non-Grandfathered T51 Med Annual-Low Winter	$ 1,685	$ 1,684	$ 1,683	$ 1,682	$ 1,684	$ 1,684	$ 1,776	$ 1,874	$ 1,709	$ 1,752	$ 1,821	$ 1,725	$ 20,759	$ 10,102		$ 10,657
39	Non-Grandfathered T41 Med Annual-High Winter	$ 2,081	$ 2,080	$ 2,078	$ 2,077	$ 2,080	$ 2,079	$ 2,194	$ 2,314	$ 2,110	$ 2,322	$ 2,250	$ 2,131	$ 25,796	$ 12,476		$ 13,320
40	Non-Grandfathered T52 High Annual-Low Winter	$ 395	$ 420	$ 480	$ 508	$ 426	$ 447	$ 386	$ 468	$ 516	$ 555	$ 550	$ 521	$ 5,671	$ 2,675		$ 2,996
41	Non-Grandfathered T42 High Annual-High Winter	$ 1,110	$ 1,109	$ 1,108	$ 1,108	$ 1,109	$ 1,109	$ 1,170	$ 1,219	$ 1,125	$ 939	$ 1,200	$ 1,136	$ 13,442	$ 6,653		$ 6,789
42																	
43	TOTAL	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 56,419	$ 677,033	$ 338,516		$ 338,516
44																	
45	Residential	$ 14,808	$ 14,801	$ 14,785	$ 14,778	$ 14,800	$ 14,794	$ 15,610	$ 16,463	$ 15,015	$ 15,316	$ 16,006	$ 15,160	$ 182,338	$ 88,767		$ 93,571
46	SALES HLF CLASSES	$ 19,348	$ 19,339	$ 19,319	$ 19,309	$ 19,337	$ 19,330	$ 20,396	$ 21,511	$ 19,296	$ 21,456	$ 20,913	$ 19,720	$ 239,275	$ 115,982		$ 123,292
47	SALES LLF CLASSES	$ 16,482	$ 16,474	$ 16,457	$ 16,449	$ 16,472	$ 16,466	$ 14,349	$ 12,003	$ 16,132	$ 13,543	$ 13,127	$ 15,504	$ 183,457	$ 98,800		$ 84,657
48	Non-Grandfathered HLF CLASSES	$ 2,239	$ 2,263	$ 2,322	$ 2,348	$ 2,270	$ 2,290	$ 2,330	$ 2,518	$ 2,384	$ 2,489	$ 2,544	$ 2,410	$ 28,408	$ 13,732		$ 14,675
49	Non-Grandfathered LLF CLASSES	$ 3,542	$ 3,541	$ 3,537	$ 3,535	$ 3,540	$ 3,539	$ 3,734	$ 3,923	$ 3,592	$ 3,615	$ 3,829	$ 3,627	$ 43,555	$ 21,235		$ 22,320
50																	
51																	

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Line		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER		SUMMER
1	**REMAINING CAPACITY**																
2	Res Heat	$ 379,515	$ 833,137	$ 1,567,024	$ 856,844	$ 598,640	$ 262,377	$ 76,791	$ 9,051	$ 11,062	$ 1,255	$ 27,437	$ 157,308	$ 4,780,441	$ 4,497,536		$ 282,905
3	Res General	$ 2,055	$ 4,511	$ 8,484	$ 4,639	$ 3,241	$ 1,420	$ 416	$ 49	$ 60	$ 7	$ 149	$ 852	$ 25,881	$ 24,349		$ 1,532
5	G50 Low Annual-Low Winter	$ 6,649	$ 14,596	$ 27,452	$ 15,011	$ 10,487	$ 4,597	$ 1,345	$ 159	$ 194	$ 22	$ 481	$ 2,756	$ 83,747	$ 78,791		$ 4,956
6	G40 Low Annual-High Winter	$ 212,931	$ 467,440	$ 879,195	$ 480,741	$ 335,873	$ 147,209	$ 43,084	$ 5,078	$ 6,207	$ 704	$ 15,394	$ 88,259	$ 2,682,116	$ 2,523,389		$ 158,727
7	G51 Med Annual-Low Winter	$ 34,678	$ 76,127	$ 143,184	$ 78,293	$ 54,700	$ 23,974	$ 7,017	$ 827	$ 1,011	$ 115	$ 2,507	$ 14,374	$ 436,805	$ 410,955		$ 25,850
8	G41 Med Annual-High Winter	$ 210,527	$ 462,164	$ 869,271	$ 475,314	$ 332,082	$ 145,547	$ 42,598	$ 5,021	$ 6,137	$ 696	$ 15,220	$ 87,263	$ 2,651,840	$ 2,494,905		$ 156,935
9	G52 High Annual-Low Winter	$ 22,291	$ 48,935	$ 92,041	$ 50,328	$ 35,162	$ 15,411	$ 4,510	$ 532	$ 650	$ 74	$ 1,612	$ 9,240	$ 280,786	$ 264,169		$ 16,617
10	G42 High Annual-High Winter	$ 69,471	$ 152,508	$ 286,849	$ 156,848	$ 109,583	$ 48,029	$ 14,057	$ 1,657	$ 2,025	$ 230	$ 5,023	$ 28,796	$ 875,075	$ 823,289		$ 51,787
11	Non-Grandfathered T50 Low Annual-Low Winter	$ 1,027	$ 2,255	$ 4,242	$ 2,319	$ 1,621	$ 710	$ 208	$ 25	$ 30	$ 3	$ 74	$ 426	$ 12,941	$ 12,175		$ 766
12	Non-Grandfathered T40 Low Annual-High Winter	$ 5,466	$ 12,000	$ 22,570	$ 12,341	$ 8,622	$ 3,779	$ 1,106	$ 130	$ 159	$ 18	$ 395	$ 2,266	$ 68,854	$ 64,779		$ 4,075
13	Non-Grandfathered T51 Med Annual-Low Winter	$ 6,125	$ 13,447	$ 25,291	$ 13,829	$ 9,662	$ 4,235	$ 1,239	$ 146	$ 179	$ 20	$ 443	$ 2,539	$ 77,155	$ 72,589		$ 4,566
14	Non-Grandfathered T41 Med Annual-High Winter	$ 45,397	$ 99,658	$ 187,444	$ 102,494	$ 71,608	$ 31,385	$ 9,186	$ 1,083	$ 1,323	$ 150	$ 3,282	$ 18,817	$ 571,827	$ 537,986		$ 33,841
15	Non-Grandfathered T52 High Annual-Low Winter	$ 582	$ 1,277	$ 2,401	$ 1,313	$ 917	$ 402	$ 118	$ 14	$ 17	$ 2	$ 42	$ 241	$ 7,325	$ 6,891		$ 433
16	Non-Grandfathered T42 High Annual-High Winter	$ 11,688	$ 25,659	$ 48,262	$ 26,389	$ 18,437	$ 8,081	$ 2,365	$ 279	$ 341	$ 39	$ 845	$ 4,845	$ 147,229	$ 138,516		$ 8,713
17																	
18	TOTAL	$ 1,008,403	$ 2,213,714	$ 4,163,711	$ 2,276,704	$ 1,590,634	$ 697,156	$ 204,040	$ 24,049	$ 29,393	$ 3,335	$ 72,903	$ 417,981	$ 12,702,023	$ 11,950,321		$ 751,702
19																	
20	Residential	$ 381,570	$ 837,648	$ 1,575,508	$ 861,483	$ 601,881	$ 263,797	$ 77,207	$ 9,100	$ 11,122	$ 1,262	$ 27,586	$ 158,160	$ 4,806,323	$ 4,521,886		$ 284,437
21	SALES HLF CLASSES	$ 63,618	$ 139,658	$ 262,678	$ 143,632	$ 100,349	$ 43,982	$ 12,872	$ 1,517	$ 1,854	$ 210	$ 4,599	$ 26,369	$ 801,339	$ 753,916		$ 47,423
22	SALES LLF CLASSES	$ 492,930	$ 1,082,112	$ 2,035,315	$ 1,112,903	$ 777,537	$ 340,785	$ 99,739	$ 11,756	$ 14,368	$ 1,630	$ 35,637	$ 204,318	$ 6,209,031	$ 5,841,583		$ 367,448
23	Non-Grandfathered HLF CLASSES	$ 7,734	$ 16,978	$ 31,934	$ 17,462	$ 12,200	$ 5,347	$ 1,565	$ 184	$ 225	$ 26	$ 559	$ 3,206	$ 97,421	$ 91,655		$ 5,765
24	Non-Grandfathered LLF CLASSES	$ 62,551	$ 137,317	$ 258,276	$ 141,225	$ 98,667	$ 43,245	$ 12,657	$ 1,492	$ 1,823	$ 207	$ 4,522	$ 25,927	$ 787,910	$ 741,281		$ 46,628
25																	
26																	
27	**TOTAL CAPACITY**																
28	Res Heat	$ 393,539	$ 847,155	$ 1,581,027	$ 870,840	$ 612,656	$ 276,388	$ 91,575	$ 24,643	$ 25,283	$ 15,792	$ 42,596	$ 171,666	$ 4,953,160	$ 4,581,605		$ 371,555
29	Res General	$ 2,838	$ 5,294	$ 9,266	$ 5,421	$ 4,024	$ 2,203	$ 1,242	$ 920	$ 855	$ 786	$ 996	$ 1,654	$ 35,500	$ 29,047		$ 6,453
30	G50 Low Annual-Low Winter	$ 12,561	$ 20,505	$ 33,355	$ 20,911	$ 16,396	$ 10,503	$ 7,577	$ 6,731	$ 6,188	$ 6,615	$ 6,871	$ 8,721	$ 156,934	$ 114,230		$ 42,704
31	G40 Low Annual-High Winter	$ 216,864	$ 471,372	$ 883,123	$ 484,667	$ 339,804	$ 151,139	$ 47,231	$ 9,451	$ 10,195	$ 4,739	$ 19,646	$ 92,286	$ 2,730,517	$ 2,546,969		$ 183,548
32	G51 Med Annual-Low Winter	$ 44,781	$ 86,226	$ 153,272	$ 88,376	$ 64,798	$ 34,068	$ 17,667	$ 12,060	$ 11,256	$ 11,168	$ 13,428	$ 24,717	$ 561,817	$ 471,521		$ 90,296
33	G41 Med Annual-High Winter	$ 215,671	$ 467,306	$ 874,407	$ 480,448	$ 337,223	$ 150,687	$ 48,021	$ 10,740	$ 10,772	$ 6,576	$ 20,781	$ 92,529	$ 2,715,160	$ 2,525,741		$ 189,419
34	G52 High Annual-Low Winter	$ 25,624	$ 52,267	$ 95,369	$ 53,654	$ 38,493	$ 18,741	$ 8,024	$ 4,237	$ 3,706	$ 3,883	$ 5,214	$ 12,652	$ 321,862	$ 284,147		$ 37,715
35	G42 High Annual-High Winter	$ 76,876	$ 159,909	$ 294,242	$ 164,237	$ 116,983	$ 55,426	$ 18,837	$ 3,567	$ 9,533	$ 3,859	$ 8,337	$ 35,006	$ 946,812	$ 867,673		$ 79,139
36	Non-Grandfathered T50 Low Annual-Low Winter	$ 1,187	$ 2,415	$ 4,401	$ 2,479	$ 1,780	$ 869	$ 376	$ 202	$ 190	$ 186	$ 247	$ 589	$ 14,919	$ 13,130		$ 1,788
37	Non-Grandfathered T40 Low Annual-High Winter	$ 5,818	$ 12,351	$ 22,921	$ 12,692	$ 8,973	$ 4,130	$ 1,476	$ 521	$ 516	$ 373	$ 775	$ 2,625	$ 73,170	$ 66,885		$ 6,286
38	Non-Grandfathered T51 Med Annual-Low Winter	$ 7,810	$ 15,131	$ 26,974	$ 15,511	$ 11,346	$ 5,918	$ 3,016	$ 2,020	$ 1,887	$ 1,772	$ 2,264	$ 4,264	$ 97,914	$ 82,691		$ 15,223
39	Non-Grandfathered T41 Med Annual-High Winter	$ 47,478	$ 101,738	$ 189,522	$ 104,571	$ 73,688	$ 33,464	$ 11,379	$ 3,397	$ 3,434	$ 2,472	$ 5,532	$ 20,948	$ 597,622	$ 550,462		$ 47,161
40	Non-Grandfathered T52 High Annual-Low Winter	$ 976	$ 1,696	$ 2,881	$ 1,820	$ 1,343	$ 849	$ 504	$ 482	$ 533	$ 556	$ 592	$ 762	$ 12,996	$ 9,567		$ 3,429
41	Non-Grandfathered T42 High Annual-High Winter	$ 12,798	$ 26,769	$ 49,370	$ 27,497	$ 19,546	$ 9,190	$ 3,535	$ 1,498	$ 1,466	$ 978	$ 2,045	$ 5,981	$ 160,672	$ 145,170		$ 15,502
42																	
43	TOTAL	$ 1,064,822	$ 2,270,133	$ 4,220,131	$ 2,333,123	$ 1,647,054	$ 753,575	$ 260,459	$ 80,469	$ 85,813	$ 59,755	$ 129,323	$ 474,400	$ 13,379,055	$ 12,288,837		$ 1,090,218
44																	
45	Residential	$ 396,378	$ 852,449	$ 1,590,294	$ 876,261	$ 616,680	$ 278,591	$ 92,817	$ 25,563	$ 26,137	$ 16,578	$ 43,592	$ 173,320	$ 4,988,660	$ 4,610,653		$ 378,008
46	SALES HLF CLASSES	$ 82,966	$ 158,997	$ 281,997	$ 162,941	$ 119,686	$ 63,312	$ 33,268	$ 23,028	$ 21,150	$ 21,667	$ 25,513	$ 46,089	$ 1,040,613	$ 869,898	13%	$ 170,715
47	SALES LLF CLASSES	$ 509,411	$ 1,098,587	$ 2,051,771	$ 1,129,352	$ 794,010	$ 357,252	$ 114,088	$ 23,759	$ 30,500	$ 15,173	$ 48,764	$ 219,822	$ 6,392,489	$ 5,940,383	87%	$ 452,106
48	Non-Grandfathered HLF CLASSES	$ 9,974	$ 19,242	$ 34,256	$ 19,810	$ 14,469	$ 7,637	$ 3,895	$ 2,703	$ 2,610	$ 2,514	$ 3,103	$ 5,615	$ 125,828	$ 105,388		$ 20,441
49	Non-Grandfathered LLF CLASSES	$ 66,094	$ 140,858	$ 261,813	$ 144,760	$ 102,208	$ 46,784	$ 16,391	$ 5,415	$ 5,415	$ 3,822	$ 8,351	$ 29,554	$ 831,465	$ 762,516		$ 68,949
															91.62%		**8.38%**

Northern Utilities - N[illegible]AMPSHIRE DIVISION
Simplified Market Bas[illegible] Alloctor (SMBA) Calculations
Cost Summary

Summary of Gas Costs

Line		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
1	**TOTAL COMMODITY AND CAPACITY**															
2	Res Heat	$ 1,663,721	$ 2,794,418	$ 3,871,108	$ 2,820,283	$ 2,251,067	$ 1,463,486	$ 652,998	$ 328,671	$ 322,320	$ 271,048	$ 436,650	$ 1,040,189	$ 17,915,958	$ 14,864,082	$ 3,051,876
3	Res General	$ 27,171	$ 35,413	$ 42,299	$ 35,816	$ 32,132	$ 25,805	$ 18,348	$ 16,142	$ 17,994	$ 14,575	$ 17,556	$ 21,820	$ 305,072	$ 198,637	$ 106,435
4	G50 Low Annual-Low Winter	$ 163,755	$ 193,229	$ 216,588	$ 195,837	$ 184,722	$ 159,788	$ 123,524	$ 121,190	$ 123,699	$ 121,005	$ 128,742	$ 129,764	$ 1,861,843	$ 1,113,919	$ 747,924
5	G40 Low Annual-High Winter	$ 841,018	$ 1,467,828	$ 2,068,166	$ 1,480,856	$ 1,162,822	$ 730,243	$ 287,458	$ 107,369	$ 94,215	$ 75,708	$ 163,470	$ 498,266	$ 8,977,419	$ 7,750,933	$ 1,226,486
6	G51 Med Annual-Low Winter	$ 351,733	$ 461,568	$ 563,077	$ 467,320	$ 417,115	$ 332,825	$ 236,871	$ 209,642	$ 215,638	$ 203,529	$ 227,416	$ 275,533	$ 3,962,268	$ 2,593,639	$ 1,368,630
7	G41 Med Annual-High Winter	$ 873,453	$ 1,503,417	$ 2,102,148	$ 1,516,730	$ 1,198,171	$ 762,690	$ 313,550	$ 132,198	$ 110,373	$ 109,957	$ 189,870	$ 527,249	$ 9,339,806	$ 7,956,610	$ 1,383,196
8	G52 High Annual-Low Winter	$ 276,399	$ 428,021	$ 534,392	$ 430,097	$ 357,917	$ 254,410	$ 126,223	$ 75,635	$ 68,260	$ 70,698	$ 93,734	$ 187,829	$ 2,903,616	$ 2,281,236	$ 622,380
9	G42 High Annual-High Winter	$ 276,402	$ 448,152	$ 626,760	$ 454,805	$ 371,323	$ 227,179	$ 106,778	$ 35,420	$ 233,287	$ 79,645	$ 68,476	$ 161,034	$ 3,089,259	$ 2,404,620	$ 684,639
10	Non-Grandfathered T50 Low Annual-Lnw Winter	$ 13,575	$ 21,052	$ 26,207	$ 21,151	$ 17,600	$ 12,510	$ 6,148	$ 3,629	$ 3,284	$ 3,341	$ 4,532	$ 9,210	$ 142,238	$ 112,095	$ 30,143
11	Non-Grandfathered T40 Low Annual-High Winter	$ 44,505	$ 72,614	$ 94,103	$ 72,984	$ 59,300	$ 40,215	$ 17,700	$ 8,553	$ 8,114	$ 6,627	$ 11,579	$ 28,529	$ 464,824	$ 383,722	$ 81,102
12	Non-Grandfathered T51 Med Annual-Low Winter	$ 57,908	$ 75,901	$ 93,123	$ 76,889	$ 68,623	$ 54,732	$ 39,214	$ 34,899	$ 37,494	$ 32,518	$ 37,798	$ 42,819	$ 651,916	$ 427,175	$ 224,742
13	Non-Grandfathered T41 Med Annual-High Winter	$ 231,190	$ 382,067	$ 518,778	$ 385,251	$ 310,011	$ 205,496	$ 93,517	$ 49,111	$ 44,791	$ 42,751	$ 64,062	$ 146,796	$ 2,473,820	$ 2,032,794	$ 441,026
14	Non-Grandfathered T52 High Annual-Low Winter	$ 9,730	$ 11,930	$ 14,987	$ 13,806	$ 11,808	$ 10,625	$ 7,606	$ 8,278	$ 10,871	$ 10,213	$ 10,980	$ 11,651	$ 132,485	$ 72,886	$ 59,599
15	Non-Grandfathered T42 High Annual-High Winter	$ 97,358	$ 155,666	$ 200,690	$ 156,606	$ 128,446	$ 87,777	$ 40,875	$ 21,819	$ 28,471	$ 18,096	$ 28,556	$ 63,300	$ 1,027,661	$ 826,543	$ 201,118
16																
17	TOTAL	$ 4,927,917	$ 8,051,275	$ 10,972,425	$ 8,128,433	$ 6,571,058	$ 4,367,781	$ 2,070,809	$ 1,152,555	$ 1,318,810	$ 1,059,713	$ 1,483,421	$ 3,143,990	$ 53,248,188	$ 43,018,890	$ 10,229,298
18																
19	Residential	$ 1,690,892	$ 2,829,831	$ 3,913,406	$ 2,856,099	$ 2,283,200	$ 1,489,291	$ 671,346	$ 344,813	$ 340,314	$ 285,623	$ 454,206	$ 1,062,009	$ 18,221,030	$ 15,062,719	$ 3,158,311
20	SALES HLF CLASSES	$ 791,887	$ 1,082,818	$ 1,314,057	$ 1,093,255	$ 959,755	$ 747,023	$ 486,618	$ 406,467	$ 407,598	$ 395,233	$ 449,893	$ 593,126	$ 8,727,728	$ 5,988,794	$ 2,738,934
21	SALES LLF CLASSES	$ 1,990,872	$ 3,419,397	$ 4,797,074	$ 3,452,391	$ 2,732,317	$ 1,720,111	$ 707,786	$ 274,986	$ 437,875	$ 265,310	$ 421,816	$ 1,186,549	$ 21,406,484	$ 18,112,162	$ 3,294,322
22	Non-Grandfathered HLF CLASSES	$ 81,213	$ 108,883	$ 134,316	$ 111,847	$ 98,031	$ 77,867	$ 52,968	$ 46,806	$ 51,648	$ 46,072	$ 53,310	$ 63,680	$ 926,640	$ 612,156	$ 314,484
23	Non-Grandfathered LLF CLASSES	$ 373,053	$ 610,347	$ 813,571	$ 614,842	$ 497,757	$ 333,489	$ 152,091	$ 79,483	$ 81,376	$ 67,474	$ 104,197	$ 238,626	$ 3,966,305	$ 3,243,058	$ 723,247

Northern Utilities - NEW HAMPSHIRE DIVISION
Forecasted Sales and Transportation (Volumes in DTH)
Winter 2007 - 2008 Period
Effective May 2007

Line No.	Firm Sales	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	Winter	Summer
1	Res Heat	161,765	244,621	283,611	243,924	208,415	131,594	69,679	37,733	37,137	30,809	46,761	100,698	1,596,747	1,273,930	322,817
2	Res General	2,773	3,343	3,612	3,338	3,094	2,565	2,134	1,914	2,145	1,653	1,976	2,348	30,895	18,725	12,170
3	Total Residential	**164,538**	**247,964**	**287,223**	**247,262**	**211,509**	**134,159**	**71,813**	**39,647**	**39,282**	**32,462**	**48,737**	**103,046**	**1,627,642**	**1,292,655**	**334,987**
4	G50 Low Annual-Low Winter	16,565	18,073	18,746	18,061	17,448	16,122	14,481	14,397	14,668	13,974	14,552	14,113	191,200	105,015	86,185
5	G40 Low Annual-High Winter	81,366	127,696	149,498	127,306	107,451	64,495	29,754	11,976	10,507	8,550	17,000	47,016	782,615	657,812	124,803
6	G51 Med Annual-Low Winter	34,834	41,405	44,496	41,349	38,533	32,442	27,343	24,822	25,523	23,427	25,535	29,205	388,914	233,059	155,855
7	G41 Med Annual-High Winter	85,116	131,959	154,004	131,566	111,490	68,058	32,910	14,936	11,074	13,848	20,016	50,364	825,341	682,193	143,148
8	G52 High Annual-Low Winter	31,580	46,717	53,840	46,589	40,102	26,068	14,681	8,873	7,301	8,846	10,515	20,321	315,433	244,896	70,537
9	G42 High Annual-High Winter	22,113	32,072	36,759	31,988	27,720	18,487	10,985	4,029	28,181	7,691	7,189	14,695	241,909	169,139	72,770
10	Total Comm	**271,574**	**397,922**	**457,343**	**396,859**	**342,744**	**225,672**	**130,154**	**79,033**	**97,254**	**76,336**	**94,807**	**175,714**	**2,745,412**	**2,092,114**	**653,298**
11	Total Sales	**436,112**	**645,886**	**744,566**	**644,121**	**554,253**	**359,831**	**201,967**	**118,680**	**136,536**	**108,798**	**143,544**	**278,760**	**4,373,054**	**3,384,769**	**988,285**
12	Non-Grandfathered T50 Low Annual-Low Winter	1,564	2,322	2,679	2,316	1,991	1,288	717	426	382	391	508	1,000	15,584	12,160	3,424
13	Non-Grandfathered T40 Low Annual-High Winter	4,976	7,634	8,886	7,612	6,473	4,008	2,012	991	951	751	1,280	3,002	48,576	39,589	8,987
14	Non-Grandfathered T51 Med Annual-Low Winter	5,662	6,666	7,138	6,657	6,227	5,297	4,516	4,131	4,451	3,712	4,240	4,492	63,189	37,647	25,542
15	Non-Grandfathered T41 Med Annual-High Winter	23,364	35,168	40,722	35,068	30,010	19,066	10,195	5,665	5,162	4,921	6,946	14,593	230,880	183,398	47,482
16	Non-Grandfathered T52 High Annual-Low Winter	926	1,018	1,164	1,153	1,032	1,051	887	986	1,291	1,176	1,240	1,269	13,193	6,344	6,849
17	Non-Grandfathered T42 High Annual-High Winter	10,657	16,051	18,590	16,005	13,694	8,694	4,640	2,571	3,388	1,990	3,155	6,649	106,084	83,691	22,393
18	Total Non-Grandfathered Capacity	**47,149**	**68,859**	**79,179**	**68,811**	**59,427**	**39,404**	**22,967**	**14,770**	**15,625**	**12,941**	**17,369**	**31,005**	**477,506**	**362,829**	**114,677**
19	**Total Firm Sales**	**483,261**	**714,745**	**823,745**	**712,932**	**613,680**	**399,235**	**224,934**	**133,450**	**152,161**	**121,739**	**160,913**	**309,765**	**4,850,560**	**3,747,598**	**1,102,962**
20	Residential Heat & Non Heat	164,538	247,964	287,223	247,262	211,509	134,159	71,813	39,647	39,282	32,462	48,737	103,046	1,627,642	1,292,655	334,987
21	SALES HLF CLASSES	82,979	106,195	117,082	105,999	96,083	74,632	56,505	48,092	47,492	46,247	50,602	63,639	895,547	582,970	312,577
22	SALES LLF CLASSES	188,595	291,727	340,261	290,860	246,661	151,040	73,649	30,941	49,762	30,089	44,205	112,075	1,849,865	1,509,144	340,721
23	Non-Grandfathered HLF CLASSES	8,152	10,006	10,981	10,126	9,250	7,636	6,120	5,543	6,124	5,279	5,988	6,761	91,966	56,151	35,815
24	Non-Grandfathered LLF CLASSES	38,997	58,853	68,198	58,685	50,177	31,768	16,847	9,227	9,501	7,662	11,381	24,244	385,540	306,678	78,862
25	Total Firm Sales	**483,261**	**714,745**	**823,745**	**712,932**	**613,680**	**399,235**	**224,934**	**133,450**	**152,161**	**121,739**	**160,913**	**309,765**	**4,850,560**	**3,747,598**	**1,102,962**

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION
Summer '07 Period
Forecasted Sales Volumes

	May	June	July	August	Sept	Oct	TOTAL
Fcst Calendar Summer '07	201,967	118,680	136,536	108,798	143,544	278,760	988,285
Normalized Calendar Summer '0	199,687	117,316	134,909	107,510	141,902	275,652	976,976
Difference	2,280	1,364	1,627	1,288	1,642	3,108	11,309

Variance-difference due to meter count	47,232	
-difference in load pattern	(35,923)	
TOTAL VARIANCE	-	11,309

SALES

NORTHERN UTILITIES, NEW HAMPSHIRE DIVISION
Summer '06 Period
Forecast

	NORMAL MMBtu			METERS			NORMAL AVERAGE USE			Change in Sales Due to Change In:		Total Chg	
	2007 Forecast	2006 Actual	Difference	2007 Forecast	2006 Actual	Difference	2007 Forecast	2006 Actual	Difference	Meter Count	Load Pattern	MMBtu	% difference
Res Heat	322,817	321,156	1,661	115,772	114,229	1,543	2.79	2.81	-0.02	4,302	(2,641)	1,661	0.52%
Res General	12,170	12,107	63	11,046	10,899	147	1.10	1.11	-0.01	162	(99)	63	0.52%
Total Res	334,987	333,263	1,724	126,818	125,128	1,690	3.89	3.92	-0.03	4,464	(2,740)	1,724	0.52%
C & I	653,298	643,713	9,585	36,570	34,176	2,394	17.86	18.84	-0.97	42,767	(33,182)	9,585	1.49%
Total Comm	653,298	643,713	9,585	36,570	34,176	2,394	17.86	18.84	-0.97	42,767	(33,182)	9,585	1.49%
Total Company	988,285	976,976	11,309	163,388	159,304	4,084	6.05	6.13	-0.08	47,232	(35,923)	11,309	1.16%

Northern Utilities
Simplified Market Based Alloctor (MBA) Calculations
COMMODITY COSTS

		Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	WINTER	SUMMER
1	**Supply Volumes - Therms**															
2																
3	Total Pipeline	362,745	449,756	458,887	417,583	359,137	607,524	401,615	236,158	240,442	210,893	285,254	547,991	4,577,985	2,655,632	1,922,353
4	Total Storage	558,863	795,198	938,445	820,591	685,092	60	0	0	0	0	0	0	3,798,249	3,798,249	0
5	Total Peaking	55,650	141,383	192,773	144,365	153,829	86,841	1,395	1,350	1,395	1,395	1,350	1,395	783,121	774,841	8,280
7	Less Interruptible	2,035	910	0	0	0	2,052	2,010	2,010	1,105	1,105	1,105	2,010	14,342	4,997	9,345
6	Subtotal	975,223	1,385,427	1,590,105	1,382,539	1,198,058	692,373	401,000	235,498	240,732	211,183	285,499	547,376	9,145,013	7,223,725	1,921,288
7	Less Company Use	6,927	10,343	12,175	10,362	8,843	5,629	2,998	1,398	1,088	1,104	1,878	4,378	67,123	54,279	12,844
8	Total Firm	968,296	1,374,174	1,577,930	1,372,177	1,189,215	684,692	395,992	232,090	238,539	208,974	282,516	540,988	9,065,583	7,166,484	1,899,099
9																
10	**Variable Costs**															
11																
12	Total Pipeline	$ 3,396,155	$ 4,481,555	$ 4,723,830	$ 4,299,913	$ 3,603,309	$ 5,602,943	$ 3,183,568	$ 1,848,670	$ 1,908,339	$ 1,702,611	$ 2,362,605	$ 4,653,142	$ 41,766,640	$ 26,107,705	$ 15,658,935
13	Total Storage	$ 3,924,131	$ 5,594,636	$ 6,638,576	$ 5,780,587	$ 4,824,082	$ 496	$ -	$ -	$ -	$ -	$ -	$ -	$ 26,762,508	$ 26,762,508	$ -
14	Total Peaking	$ 380,348	$ 969,924	$ 1,486,093	$ 996,980	$ 1,047,067	$ 592,135	$ 12,039	$ 11,651	$ 12,039	$ 12,039	$ 11,651	$ 12,039	$ 5,544,005	$ 5,472,547	$ 71,458
15	Subtotal	$ 7,700,634	$ 11,046,115	$ 12,848,499	$ 11,077,480	$ 9,474,458	$ 6,195,574	$ 3,195,607	$ 1,860,321	$ 1,920,378	$ 1,714,650	$ 2,374,256	$ 4,665,181	$ 74,073,153	$ 58,342,760	$ 15,730,393
16	Less Interruptible Incl Above	$ 18,322	$ -	$ -	$ -	$ -	$ 19,877	$ 18,151	$ 7	$ -	$ 9,439	$ 10,535	$ 18,811	$ 95,142	$ 38,199	$ 56,943
17	Total (Without Interr)	$ 7,682,312	$ 11,046,115	$ 12,848,499	$ 11,077,480	$ 9,474,458	$ 6,175,697	$ 3,177,456	$ 1,860,314	$ 1,920,378	$ 1,705,211	$ 2,363,721	$ 4,646,370	$ 73,978,011	$ 58,304,561	$ 15,673,450
18																
19																
20	**Commodity Allocation Factors**															
21	**Therms**															
22	Maine	484,826	660,343	754,451	659,246	575,410	287,174	172,531	99,782	86,168	87,343	121,946	232,879	4,222,099	3,421,450	800,649
23	New Hampshire	490,396	725,082	835,647	723,289	622,646	405,196	228,469	135,716	154,565	123,841	163,553	314,497	4,922,897	3,802,256	1,120,641
24	Total	975,222	1,385,425	1,590,098	1,382,535	1,198,056	692,370	401,000	235,498	240,733	211,184	285,499	547,376	9,144,996	7,223,706	1,921,290
25																
26	**Percentage of Total**															
27	Maine	49.71%	47.66%	47.45%	47.68%	48.03%	41.48%	43.03%	42.37%	35.79%	41.36%	42.71%	42.54%	46.17%	47.36%	41.67%
28	New Hampshire	50.29%	52.34%	52.55%	52.32%	51.97%	58.52%	56.97%	57.63%	64.21%	58.64%	57.29%	57.46%	53.83%	52.64%	58.33%
29	Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
30																
31																
32	**Commodity Allocation by Jurisdiction**															
33	Maine	$3,819,217	$5,264,973	$6,096,205	$5,282,170	$4,550,453	$2,561,491	$1,367,106	$788,227	$687,380	$705,254	$1,009,623	$1,976,780	$34,108,879	$27,574,509	$6,534,370
34	New Hampshire	$3,863,095	$5,781,142	$6,752,294	$5,795,310	$4,924,005	$3,614,206	$1,810,350	$1,072,087	$1,232,998	$999,958	$1,354,098	$2,669,590	$39,869,132	$30,730,052	$9,139,080
35	Total	$7,682,312	$11,046,115	$12,848,499	$11,077,480	$9,474,458	$6,175,697	$3,177,456	$1,860,314	$1,920,378	$1,705,211	$2,363,721	$4,646,370	$73,978,011	$58,304,561	$15,673,450

Northern Utilities
Simplified Market Based Allocator (SMBA) Calculations
FIXED CAPACITY-RELATED COSTS

Total Fixed Capacity Related Costs

	TOTAL
Pipeline Demand	$6,629,363
Product Demand	$3,419,754
Storage Demand	$926,694
Peaking Demand	$15,538,253
Subtotal Demand	**$26,514,064**
Capacity Release	$0
Total Demand	**$26,514,064**

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL
Pipeline & Product Demand	$392,189	$679,006	$735,707	$602,411	$535,596	$2,671,834	$857,160	$389,236	$403,246	$348,084	$469,696	$1,964,953	$10,049,117
Storage & Peaking	$2,104,000	$3,055,952	$5,624,616	$3,369,931	$2,310,151	$6,369	$1,436	$35,919	$56,676	$54,667	$58,532	$151,099	$16,829,347
Less: Injection Fees	0	0	0	0	0	(6,072)	(1,436)	(35,919)	(56,676)	(54,667)	(58,532)	(151,099)	($364,400)
Less: Capacity Release	$0	$0	$0	$0	$0	$0	0	0	0	0	0	0	$0
Total Demand	**$2,496,188**	**$3,734,958**	**$6,360,323**	**$3,972,342**	**$2,845,747**	**$2,672,131**	**$857,160**	**$389,236**	**$403,246**	**$348,084**	**$469,696**	**$1,964,953**	**$26,514,064**

Firm Sendout Allocation based on PR Allocater Dispatch

	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL
Therms													
Maine	500,608	694,867	799,046	693,779	607,504	409,837	273,615	186,238	194,482	173,288	207,492	345,893	5,086,649
New Hampshire	507,085	758,331	876,040	756,269	649,106	393,660	225,679	138,279	139,083	119,563	163,263	308,468	5,034,826
Total	1,007,693	1,453,198	1,675,086	1,450,048	1,256,610	803,497	499,294	324,517	333,565	292,851	370,755	654,361	10,121,475
Percentage of Total	**Nov-07**	**Dec-07**	**Jan-08**	**Feb-08**	**Mar-08**	**Apr-08**	**May-07**	**Jun-07**	**Jul-07**	**Aug-07**	**Sep-07**	**Oct-07**	**TOTAL**
Maine	49.68%	47.82%	47.70%	47.85%	48.34%	51.01%	54.80%	57.39%	58.30%	59.17%	55.96%	52.86%	49.54%
New Hampshire	50.32%	52.18%	52.30%	52.15%	51.66%	48.99%	45.20%	42.61%	41.70%	40.83%	44.04%	47.14%	50.46%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Demand Allocation by Jurisdiction													
Maine	$1,240,072	$1,785,922	$3,033,988	$1,900,577	$1,375,767	$1,362,965	$469,727	$223,380	$235,109	$205,971	$262,864	$1,038,667	$13,135,009
New Hampshire	$1,256,116	$1,949,035	$3,326,335	$2,071,765	$1,469,980	$1,309,166	$387,433	$165,856	$168,137	$142,113	$206,832	$926,286	$13,379,055
Total	$2,496,188	$3,734,958	$6,360,323	$3,972,342	$2,845,747	$2,672,131	$857,160	$389,236	$403,246	$346,084	$469,696	$1,964,953	$26,514,064

Detailed Demand Allocation by Jurisdiction

Maine	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	TOTAL	
Pipeline & Product Demand	$ 194,834	$ 324,676	$ 350,946	$ 288,225	$ 258,932	$ 1,362,813	$ 469,727	$ 223,380	$ 235,109	$ 205,971	$ 262,864	$ 1,038,667	$ 5,216,144	51.91%
Storage & Peaking	$ 1,045,238	$ 1,461,246	$ 2,683,042	$ 1,612,352	$ 1,116,835	$ 3,249	$ 787	$ 20,613	$ 33,044	$ 32,348	$ 32,757	$ 79,871	$ 8,121,383	48.10%
Injection Fees	$ -	$ -	$ -	$ -	$ -	$ (3,097)	$ (787)	$ (20,613)	$ (33,044)	$ (32,348)	$ (32,757)	$ (79,871)	$ (202,517)	
Capacity Release	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	0.00%
Total Demand, Maine	$ 1,240,072	$ 1,785,922	$ 3,033,988	$ 1,900,577	$ 1,375,767	$ 1,362,965	$ 469,727	$ 223,380	$ 235,109	$ 205,971	$ 262,864	$ 1,038,667	$ 13,135,009	49.54%
NH														
Pipeline & Product Demand	$ 197,355	$ 354,330	$ 384,762	$ 314,186	$ 276,664	$ 1,309,021	$ 387,433	$ 165,856	$ 168,137	$ 142,113	$ 206,832	$ 926,286	$ 4,832,973	48.09%
Storage & Peaking	$ 1,058,762	$ 1,594,706	$ 2,941,573	$ 1,757,579	$ 1,193,316	$ 3,120	$ 649	$ 15,305	$ 23,631	$ 22,319	$ 25,775	$ 71,229	$ 8,707,965	51.90%
Injection Fees	$ -	$ -	$ -	$ -	$ -	$ (2,975)	$ (649)	$ (15,305)	$ (23,631)	$ (22,319)	$ (25,775)	$ (71,229)	$ (161,883)	
Capacity Release	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	0.00%
Total Demand, NH	$ 1,256,116	$ 1,949,035	$ 3,326,335	$ 2,071,765	$ 1,469,980	$ 1,309,166	$ 387,433	$ 165,856	$ 168,137	$ 142,113	$ 206,832	$ 926,286	$ 13,379,055	50.46%

Northern Utilities
Simplified Market Based Allocator (SMBA) Calculations
FIXED CAPACITY-RELATED COSTS

Proportional Responsibility (PR) Allocator Used to Allocate Product and Pipeline Demand Costs (Including Injections)
(based on Pipeline Design Day Sendout)

	Pipeline Vos	Rank	%WINTER	PR	CumPR	$$
NOV	326,094	10	46.36%	0.029%	3.903%	$392,189
DEC	457,413	5	65.04%	0.762%	6.757%	$679,006
JAN	473,287	4	67.29%	0.564%	7.321%	$735,707
FEB	430,609	6	61.22%	0.665%	5.995%	$602,411
MAR	402,551	7	57.24%	0.656%	5.330%	$535,596
APR	703,329	1	100.00%	7.034%	26.588%	$2,671,834
MAY	498,788	3	70.92%	1.209%	8.530%	$857,160
JUN	324,027	11	46.07%	0.410%	3.873%	$389,236
JUL	333,059	9	47.35%	0.110%	4.013%	$403,246
AUG	292,345	12	41.57%	3.464%	3.464%	$348,084
SEP	370,265	8	52.64%	0.661%	4.674%	$469,696
OCT	653,855	2	92.97%	11.024%	19.553%	$1,964,953
TOTAL	5,265,622			26.588%	100.000%	$10,049,117

Proportional Responsibility (PR) Allocator Used to Allocate Storage and Peaking Demand Costs
(based on Storage Withdrawls from Design Day Sendout)

	Storage Withdrawal Vols	Rank	%WINTER	PR	CumPR	$$	Less Injection Fees	TOTAL
NOV	648,934	5	63.90%	12.777%	12.779%	$2,104,000	$0	$2,104,000
DEC	837,811	3	82.49%	4.530%	18.560%	$3,055,952	$0	$3,055,952
JAN	1,015,624	1	100.00%	13.694%	34.161%	$5,624,616	$0	$5,624,616
FEB	876,546	2	86.31%	1.907%	20.467%	$3,369,931	$0	$3,369,931
MAR	699,799	4	68.90%	1.252%	14.031%	$2,310,151	$0	$2,310,151
APR	110	6	0.01%	0.002%	0.002%	$297	$6,072	$6,369
MAY	0	7	0.00%	0.000%	0.000%	$0	$1,436	$1,436
JUN	0	7	0.00%	0.000%	0.000%	$0	$35,919	$35,919
JUL	0	7	0.00%	0.000%	0.000%	$0	$56,676	$56,676
AUG	0	7	0.00%	0.000%	0.000%	$0	$54,667	$54,667
SEP	0	7	0.00%	0.000%	0.000%	$0	$58,532	$58,532
OCT	0	7	0.00%	0.000%	0.000%	$0	$151,099	$151,099
TOTAL	4,078,824			34.161%	100.000%	$16,464,947	$364,400	$16,829,347
		7						

Percentage of Deliveries Injected - Allocator Used to Allocate Storage Injection Fees

	Storage Injection Vols	Pipeline	Percentage of Deliveries Inj.	Injection Fees
NOV	0	326,094	0.00%	$0
DEC	0	457,413	0.00%	$0
JAN	0	473,287	0.00%	$0
FEB	0	430,609	0.00%	$0
MAR	0	402,551	0.00%	$0
APR	1,602	703,329	0.23%	$6,072
MAY	837	498,788	0.17%	$1,436
JUN	32,941	324,027	9.23%	$35,919
JUL	54,466	333,059	14.05%	$56,676
AUG	54,467	292,345	15.71%	$54,667
SEP	52,710	370,265	12.46%	$58,532
OCT	54,468	653,855	7.69%	$151,099
TOTAL	251,491	5,265,622	4.56%	$364,400

Closing-Da	Contract-M	Contract-N	Contract-S	High	Low	Open	Close	Volume
2/28/2007	2007-04	NGJ2007	NG0	7.42	7.25	7.36	7.3	48200
2/28/2007	2007-05	NGK2007	NG1	7.51	7.365	7.45	7.405	10159
2/28/2007	2007-06	NGM2007	NG2	7.61	7.46	7.525	7.507	6511
2/28/2007	2007-07	NGN2007	NG3	7.7	7.595	7.7	7.614	4044
2/28/2007	2007-08	NGQ2007	NG4	7.77	7.69	7.76	7.707	1428
2/28/2007	2007-09	NGU2007	NG5	7.87	7.76	7.87	7.762	1564
2/28/2007	2007-10	NGV2007	NG6	7.97	7.88	7.97	7.86	3662
2/28/2007	2007-11	NGX2007	NG7	8.455	8.44	8.44	8.45	623
2/28/2007	2007-12	NGZ2007	NG8	9.01	9.01	9.01	9.015	803
2/28/2007	2008-01	NGF2008	NG9	9.32	9.3	9.32	9.32	1705
2/28/2007	2008-02	NGG2008	NG10	9.38	9.3	9.34	9.315	757
2/28/2007	2008-03	NGH2008	NG11	9.12	9.08	9.12	9.095	872
2/28/2007	2008-04	NGJ2008	NG12	7.73	7.71	7.71	7.695	352
2/28/2007	2008-05	NGK2008	NG13	7.65	7.65	7.65	7.575	77
2/28/2007	2008-06	NGM2008	NG14	7.69	7.69	7.69	7.625	52
2/28/2007	2008-07	NGN2008	NG15	7.69	7.69	7.69	7.69	58
2/28/2007	2008-08	NGQ2008	NG16	7.75	7.75	7.75	7.75	28
2/28/2007	2008-09	NGU2008	NG17	7.8	7.8	7.8	7.8	16
2/28/2007	2008-10	NGV2008	NG18	7.96	7.96	7.96	7.9	10
2/28/2007	2008-11	NGX2008	NG19	8.4	8.4	8.4	8.36	20
2/28/2007	2008-12	NGZ2008	NG20	8.85	8.85	8.85	8.815	18
2/28/2007	2009-01	NGF2009	NG21	9.1	9.1	9.1	9.05	80
2/28/2007	2009-02	NGG2009	NG22	9.08	9.08	9.08	9.045	0
2/28/2007	2009-03	NGH2009	NG23	8.83	8.83	8.83	8.83	0
2/28/2007	2009-04	NGJ2009	NG24	7.39	7.39	7.39	7.39	0
2/28/2007	2009-05	NGK2009	NG25	7.26	7.26	7.26	7.26	1
2/28/2007	2009-06	NGM2009	NG26	7.33	7.33	7.33	7.33	100
2/28/2007	2009-07	NGN2009	NG27	7.405	7.405	7.405	7.405	102
2/28/2007	2009-08	NGQ2009	NG28	7.455	7.455	7.455	7.455	104
2/28/2007	2009-09	NGU2009	NG29	7.505	7.505	7.505	7.505	3
2/28/2007	2009-10	NGV2009	NG30	7.7	7.7	7.7	7.61	100
2/28/2007	2009-11	NGX2009	NG31	8.04	8.04	8.04	8.04	0
2/28/2007	2009-12	NGZ2009	NG32	8.455	8.455	8.455	8.455	0
2/28/2007	2010-01	NGF2010	NG33	8.68	8.68	8.68	8.68	55
2/28/2007	2010-02	NGG2010	NG34	8.69	8.69	8.69	8.69	0
2/28/2007	2010-03	NGH2010	NG35	8.475	8.475	8.475	8.475	0

Northern Utilities
Demand Detail

Pipeline	Contract #	Zone	MDTQ	Demand Rate	No. Mos.	Monthly Cost	Annual Cost	Capacity Use
Domac			5,000	$39.9859	12	$199,930	$2,399,154	Product
Duke	93201F	FT-NN	36,000	$5.6700	5	$204,120	$1,020,600	Product
Algonquin	93002F	AFT-2-F-1	4,211	$6.1138	12	$25,745	$308,943	Pipeline
Algonquin	93201A1C	AFT-1F-2/F-3	286	$5.9771	12	$1,709	$20,513	Pipeline
Algonquin	93201A1C	AFT F-2/F-3	965	$5.9771	12	$5,768	$69,215	Pipeline
Granite State	93201F	FT-NN	1,120	$1.2639	12	$1,416	$16,987	Pipeline
Granite State	93201F	FT-NN	33,000	$1.2639	12	$41,709	$500,504	Storage
Granite State	93201F	FT-NN	64	$1.2639	12	$81	$971	Storage
Granite State	93201F	FT-NN	21	$1.2639	12	$27	$319	Storage
Granite State	93201F	FT-NN	13,155	$1.2639	12	$16,627	$199,519	Pipeline
Granite State	93201F	FT-NN	1,310	$1.2639	12	$1,656	$19,869	Pipeline
Granite State	93201F	FT-NN	34,000	$1.2639	12	$42,973	$515,671	Pipeline
Granite State	93201F	FT-NN	929	$1.2639	12	$1,174	$14,090	Pipeline
Granite State	93201F	FT-NN	1,406	$1.2639	12	$1,777	$21,325	Pipeline
Granite State	93201F	FT-NN	2,226	$1.2639	12	$2,813	$33,761	Pipeline
Granite State	93201F	FT-NN	4,267	$1.2639	12	$5,393	$64,717	Pipeline
Granite State	93201F	FT-NN	4,899	$1.2639	12	$6,192	$74,302	Storage
Granite State	93201F	FT-NN	950	$1.2639	12	$1,201	$14,408	Pipeline
Granite State	93201F	FT-NN	2,653	$1.2639	12	$3,353	$40,238	Storage
Iroquois	R181001	RTS-1	2,302	$6.5970	12	$15,186	$182,236	Pipeline
Iroquois	R181001	RTS-1	4,267	$6.5970	12	$28,149	$337,793	Pipeline
PNGTS			1,100	$25.8542	12	$28,440	$341,275	Pipeline
TCPL-Empress to East Hereford			1,000	$29.7000	12	$29,700	$356,342	Pipeline
Tennessee Gas	39735	FT-A	929	$4.9300	12	$4,580	$54,960	Pipeline
Tennessee Gas	5083	1-6	5,788	$15.1500	12	$87,688	$1,052,258	Pipeline
Tennessee Gas	5083	1-6	2,762	$15.1500	12	$41,844	$502,132	Pipeline
Tennessee Gas	5083	0-6	4,605	$16.5900	12	$76,397	$916,763	Pipeline
essee Gas	5292	5-6	1,406	$4.9300	12	$6,932	$83,179	Pipeline
nessee Gas	5296	4-6	950	$10.3400	12	$9,823	$117,876	Pipeline
Tennessee Gas	31861	Segmnt 3 NET	1,382	$5.0700	12	$7,007	$84,081	Pipeline
Tennessee Gas	31861	Segmnt 3 & 4	844	$10.6100	12	$8,955	$107,458	Pipeline
Tennessee Gas	31862-410	FT-A	4,267	$6.4140	12	$27,369	$328,422	Pipeline
Texas Eastern	800384	FT-1	965	$5.6080	12	$5,412	$64,941	Pipeline
Texas Eastern	800484	STX	16	$6.8050	12	$109	$1,307	Pipeline
Texas Eastern	800484	WLA	18	$2.8260	12	$51	$610	Pipeline
Texas Eastern	800484	ELA	33	$2.3750	12	$78	$941	Pipeline
Texas Eastern	800484	ETX	9	$2.1890	12	$20	$236	Pipeline
Texas Eastern	800484	M1-M3 CDS	59	$10.6480	12	$628	$7,539	Pipeline
Trans Canada Pipeline			286	$2.8992	12	$829	$9,950	Pipeline
Vector			6,070	$8.5249	12	$51,746	$620,954	Pipeline
MCN			34,000	$18.0000	5	$612,000	$3,060,000	Peaking
PNGTS		Westbrook	20,000	$49.1229	5	$982,458	$4,912,290	Peaking
PNGTS		Newington	13,000	$49.1229	5	$638,598	$3,192,989	Peaking
Tennessee FS-MA Capacity	5195		259,337	$0.0185	12	$4,798	$57,573	Storage
Tennessee FS-MA Deliverability	5195	ZN4	4,243	$1.1500	12	$4,879	$58,553	Storage
Tennessee Gas	5265	4-6	2,653	$5.8900	12	$15,626	$187,519	Storage
Texas Eastern	800436	M3-M3 CDS	64	$5.1710	12	$331	$3,971	Storage
Texas Eastern FSS-1 Reservatic	400513		64	$0.8950	12	$57	$687	Storage
Texas Eastern FSS-1 Reservatic	400215		21	$5.4360	12	$114	$1,370	Storage
Texas Eastern FSS-1 Space	400513		320	$0.1293	12	$41	$497	Storage
Texas Eastern FSS-1 Space	400215		123	$0.1293	12	$16	$191	Storage
Trans Canada Pipeline			34,000	$10.7200	12	$364,480	$4,372,974	Peaking
Union			6,003	$2.2085	12	$13,258	$159,094	Pipeline
TOTAL							**$26,514,064**	

Total Pipeline	$6,629,363
Total Product	$3,419,754
Total Storage	$926,694
Total Peaking	$15,538,253

ALGONQUIN GAS TRANSMISSION, LLC

SUMMARY OF RATES

Currently Effective Rates 12/01/2006

•RATE SCHEDULE AFT-1

	Reservation	Commodity Max	Commodity Min	Authorized Overrun Max	Authorized Overrun Min	Capacity Release Vol Res
(F-1/WS-1)	$ 6.5854	$0.0128	$0.0128	$0.2293	$0.0128	$0.2165
(F-2/F-3)	$ 6.5854	$0.0128	$0.0128	$0.2293	$0.0128	$0.2165
(F-4)	$ 6.5854	$0.0128	$0.0128	$0.2293	$0.0128	$0.2165
(STB/SS-3)	$ 6.5854	$0.0128	$0.0128	$0.2293	$0.0128	$0.2165
(FTP)	$11.8368	$0.0016	$0.0016	$0.3908	$0.0016	$0.3892
(PSS-T)	$ 9.7854	$0.0016	$0.0016	$0.3233	$0.0016	$0.3217
(AFT-2)	$ 6.1138	$0.0016	$0.0016	$0.2026	$0.0016	$0.2010
(AFT-3)	$10.7554	$0.0016	$0.0016	$0.3552	$0.0016	$0.3536
(AFT-5)	$12.6265	$0.0016	$0.0016	$0.4167	$0.0016	$0.4151
(ITP)	$13.0110	$0.0016	$0.0016	$0.4294	$0.0016	$0.4278
(X-35)	$10.2027	$0.0016	$0.0016	$0.3370	$0.0016	$0.3354
X-39	$13.2089	$0.0016	$0.0016	$0.4359	$0.0016	$0.4343
Incremental Surcharges						
Hubline	$ 1.8607	$0.0000	$0.0000	$0.0000	$0.0000	$0.0612
Secondary 1/		$0.0612	$0.0000			
Iiverton	$ 1.6424	$0.0000	$0.0000	$0.0000	$0.0000	$0.0540

•RATE SCHEDULE AFT-1S

	Reservation	Commodity Max	Commodity Min	Authorized Overrun Max	Authorized Overrun Min	Capacity Release Vol Res
(F-1/WS-1)	$ 2.6342	$0.2293	$0.0128	$0.2293	$0.0128	$0.0866
(F-2/F-3)	$ 2.6342	$0.2293	$0.0128	$0.2293	$0.0128	$0.0866
(F-4)	$ 2.6342	$0.2293	$0.0128	$0.2293	$0.0128	$0.0866
(STB/SS-3)	$ 2.6342	$0.2293	$0.0128	$0.2293	$0.0128	$0.0866
(Hubline) 1/		$0.0612	$0.0000			

•OTHER FIRM RATE SCHEDULES

	Reservation	Commodity Max	Commodity Min	Authorized Overrun Max	Authorized Overrun Min	Capacity Release Vol Res
AFT-E	$ 6.5854	$0.0128	$0.0128	$0.2293	$0.0128	$0.2165
(Hubline) 1/		$0.0612	$0.0000			
AFT-ES	$ 2.6342	$0.2293	$0.0128	$0.2293	$0.0128	$0.0866
(Hubline) 1/		$0.0612	$0.0000			
?-1	$ 1.6480	$0.0055		$0.0597		
AFT-4	$ 3.5211	$0.0029		$0.1187		

AFT-CL:						
Canal	$ 2.0858	$0.0016	$0.0016	$0.0702	$0.0016	$0.0686
Middletown	$ 3.2764	$0.0016	$0.0016	$0.1093	$0.0016	$0.1077
Cleary	$ 1.4529	$0.0016	$0.0016	$0.0494	$0.0016	$0.0478
Lake Road	$ 0.6476	$0.0016	$0.0016	$0.0229	$0.0016	$0.0213
Brayton Pt.	$ 1.2700	$0.0016	$0.0016	$0.0434	$0.0016	$0.0418
Manchester	$ 2.4500	$0.0016	$0.0016	$0.0821	$0.0016	$0.0805
Bellingham	$ 0.9714	$0.0016	$0.0016	$0.0335	$0.0016	$0.0319
Phelps Dodge	$ 0.0000	$0.0182	$0.0016	$0.0182	$0.0016	$0.0000
X-33	$ 3.0873	$0.0411		$0.1426		

•INTERRUPTIBLE SERVICE

	Commodity		Authorized Overrun	
	Max	Min	Max	Min
AIT-1	$0.2441	$0.0092	$0.2441	$0.0092
(Hubline 1/)	$0.0612	$0.0000		
AIT-2				
Brayton Pt.	$0.0434	$0.0016	$0.0434	$0.0016
Manchester	$0.0821	$0.0016	$0.0821	$0.0016
PAL	$0.2441	$0.0000	$0.0000	$0.0000

•TITLE TRANSFER TRACKING SERVICE

	Max	Min
TT	$5.3900	$0.0000

Rates are per MMBTU. Commodity rates include ACA Charges of $0.0016 and applicable GRI Commodity Surcharge.

GRI Max Surcharges:	
Reservation Surcharge	
High Load Factor	$0.0000
Low Load Factor	$0.0000
Commodity Surcharge	$0.0000
Small Customer Commodity Surcharge	$0.0000

•FUEL REIMBURSEMENT PERCENTAGES

Period	Duration	FRP
Winter	Dec 1 - Mar 31	1.37%
Spring, Summer and Fall	Apr 1 - Nov 30	0.66%

1/ Hubline Surcharge applicable to all customers utilizing secondary receipt points between and including Beverly and Weymouth and/or utilizing secondary delivery points between Beverly and Weymouth,including Beverly and excluding Weymouth,and in addition to other applicable charges.

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Iroquois Gas Transmission System, L.P. Thirtieth Revised Sheet No. 4

FERC Gas Tariff Superseding

FIRST REVISED VOLUME NO. 1 Twenty-Ninth Revised Sheet No. 4

---------- RATES (All in $ Per Dth) ----------

	Minimum	Non-Settlement Recourse & Eastchester Initial Rates 3/	Settlement Recourse Rates Applicable to Non-Eastchester/Non-Contesting Shippers 2/ Effective 1/1/2003	Effective 7/1/2004	Effective 1/1/2005	Effective 1/1/2006	Effective 1/1/2007
RTS DEMAND:							
Zone 1	$0.0000	$7.5637	$7.5637	$6.9586	$6.8514	$6.7788	$6.5971
Zone 2	$0.0000	$6.4976	$6.4976	$5.9778	$5.8857	$5.8233	$5.6673
Inter-Zone	$0.0000	$12.7150	$12.7150	$11.6978	$11.5177	$11.3956	$11.0902
Zone 1 (MFV) 1/	$0.0000	$5.3607	$5.3607	$4.9318	$4.8559	$4.8044	$4.6757
RTS COMMODITY:							
Zone 1	$0.0030	$0.0030	$0.0030	$0.0030	$0.0030	$0.0030	$0.0030
Zone 2	$0.0024	$0.0024	$0.0024	$0.0024	$0.0024	$0.0024	$0.0024
Inter-Zone	$0.0054	$0.0054	$0.0054	$0.0054	$0.0054	$0.0054	$0.0054
Zone 1 (MFV) 1/	$0.0300	$0.1506	$0.1506	$0.1386	$0.1364	$0.1350	$0.1314
ITS COMMODITY:							
Zone 1	$0.0030	$0.2517	$0.2517	$0.2318	$0.2283	$0.2259	$0.2199
Zone 2	$0.0024	$0.2160	$0.2160	$0.1989	$0.1959	$0.1938	$0.1887
Inter-Zone	$0.0054	$0.4234	$0.4234	$0.3900	$0.3840	$0.3800	$0.3700
Zone 1 (MFV) 1/	$0.0300	$0.3268	$0.3268	$0.3007	$0.2960	$0.2929	$0.2850
MAXIMUM VOLUMETRIC CAPACITY RELEASE RATE:							
Zone 1	$0.0000	$0.2487	$0.2487	$0.2288	$0.2253	$0.2229	$0.2169
Zone 2	$0.0000	$0.2136	$0.2136	$0.1965	$0.1935	$0.1915	$0.1863
Inter-Zone	$0.0000	$0.4180	$0.4180	$0.3846	$0.3787	$0.3746	$0.3646
Zone 1 (MFV) 1/	$0.0000	$0.1762	$0.1762	$0.1621	$0.1596	$0.1580	$0.1537

**SEE SHEET NO. 4A FOR ADJUSTMENTS TO RATES WHICH MAY BE APPLICABLE

1/ As authorized pursuant to order of the Federal Energy Regulatory Commission, Docket Nos. RS92-17-003, et al., dated June 18, 1993 (63 FERC para. 61,285).

2/ Settlement Recourse Rates were established in Iroquois' Settlement dated August 29, 2003, which was approved by Commission order issued Oct. 24, 2003, in Docket No. RP03-589-000. That Settlement also established a moratorium on changes to the Settlement Rates until January 1, 2008, defines the Non-Eastchester/Non-Contesting parties to which it applies, and provides that Iroquois' TCRA will be terminated on July 1, 2004.

3/ See Sections 1.2 and 4.3 of the Settlement referenced in footnote 2. As directed by the Commission's January 30, 2004 Order in Docket No. RP04-136, the Eastchester Initial Rates apply for service to Eastchester Shippers prior to the July 1, 2004 effective date of the rates set forth on Sheet No. 4C.

Issued by: Jeffrey A. Bruner, Vice Pres., Gen Counsel & Secretary

Issued on: Feb 04, 2004 Effective: Feb 05, 2004

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Iroquois Gas Transmission System, L.P. Eighteen Revised Sheet No. 4A

ERC Gas Tariff Superseding

FIRST REVISED VOLUME NO. 1 Seventeen Revised Sheet No. 4A

To the extent applicable, the following adjustments apply:

ACA ADJUSTMENT:		
Commodity	0.0016	
DEFERRED ASSET SURCHARGE:		
Commodity		
Zone 1	0.0005	
Zone 2	0.0003	
Inter-Zone	0.0008	
MEASUREMENT VARIANCE/FUEL USE FACTOR:		
Minimum		0.00%
Maximum (Non-Eastchester Shipper)		1.00%
Maximum (Eastchester Shipper)		4.50%

Issued by: Jeffrey A. Bruner, Vice Pres., Gen Counsel & Secretary

Issued on: Aug 31, 2006 Effective: Oct 01, 2006

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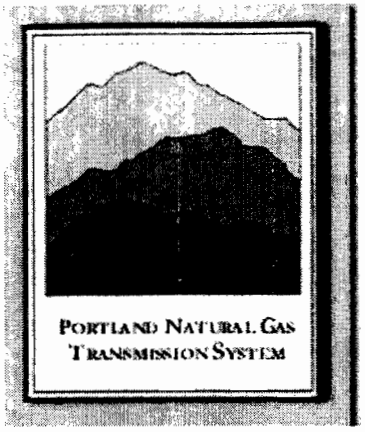

FIRM TRANSPORATION SERVICE RATES

(Rates per Dth)

Firm Transportation (FT) Rate Schedule

Reservation Rate (monthly per Dth of Demand)

Rate Component	Base Rate*	ACA Unit Charge	Current Rate*
Maximum	$25.8542	$ 0.0000	$25.8542
Minimum	$ 0.0000	$ 0.0000	$ 0.0000

Usage Rate (rate per Dth Transported)

Rate Component	Base Rate*	ACA Unit Charge	Current Rate*
Maximum	$ 0.0000	$ 0.0016	$ 0.0016
Minimum	$ 0.0000	$ 0.0016	$ 0.0016

Flexible Firm Transportation (FT-X) Rate Schedule

Reservation Rate (monthly per Dth of Demand)

Rate Component	Base Rate*	ACA Unit Charge	Current Rate*
Maximum	$ 17.3553	$ 0.0000	$ 17.3553
Minimum	$ 0.0000	$ 0.0000	$ 0.0000

Usage Rate (rate per Dth Transported)

Rate Component	Base Rate*	ACA Unit Charge	Current Rate*
Maximum	$ 0.2795	$ 0.0016	$ 0.2811
Minimum	$ 0.0000	$ 0.0016	$ 0.0016

* Monthly measurement variance (MV) applies to all Rate Schedules:
maximum: up to +1%
minimum: down to -1%

Portland Natural Gas Transmission System
One Harbour Place - Portsmouth, NH 03801 - Telephone: 603-559-5500 - Fax: 603-427-2807

TENNESSEE GAS PIPELINE COMPANY
FERC Gas Tariff
FIFTH REVISED VOLUME NO. 1

Eighteenth Revised Sheet No. 23A
Superseding
Seventeenth Revised Sheet No. 23A

RATES PER DEKATHERM

COMMODITY RATES
RATE SCHEDULE FOR FT-A

Base Commodity Rates

RECEIPT ZONE	DELIVERY ZONE 0	L	1	2	3	4	5	6
0	$0.0439		$0.0669	$0.0880	$0.0978	$0.1118	$0.1231	$0.1608
L		$0.0286						
1	$0.0669		$0.0572	$0.0776	$0.0874	$0.1014	$0.1126	$0.1503
2	$0.0880		$0.0776	$0.0433	$0.0530	$0.0681	$0.0783	$0.1159
3	$0.0978		$0.0874	$0.0530	$0.0366	$0.0663	$0.0765	$0.1142
4	$0.1129		$0.1025	$0.0681	$0.0663	$0.0401	$0.0459	$0.0834
5	$0.1231		$0.1126	$0.0783	$0.0765	$0.0459	$0.0427	$0.0765
6	$0.1608		$0.1503	$0.1159	$0.1142	$0.0834	$0.0765	$0.0642

Minimum
Commodity Rates 2/

RECEIPT ZONE	DELIVERY ZONE 0	L	1	2	3	4	5	6
0	$0.0026		$0.0096	$0.0161	$0.0191	$0.0233	$0.0268	$0.0326
L		$0.0034						
1	$0.0096		$0.0067	$0.0129	$0.0159	$0.0202	$0.0236	$0.0294
2	$0.0161		$0.0129	$0.0024	$0.0054	$0.0100	$0.0131	$0.0189
3	$0.0191		$0.0159	$0.0054	$0.0004	$0.0095	$0.0126	$0.0184
4	$0.0237		$0.0205	$0.0100	$0.0095	$0.0015	$0.0032	$0.0090
5	$0.0268		$0.0236	$0.0131	$0.0126	$0.0032	$0.0022	$0.0069
6	$0.0326		$0.0294	$0.0189	$0.0184	$0.0090	$0.0069	$0.0031

Maximum
Commodity Rates 1/, 2/

RECEIPT ZONE	DELIVERY ZONE 0	L	1	2	3	4	5	6
0	$0.0455		$0.0685	$0.0896	$0.0994	$0.1134	$0.1247	$0.1624
L		$0.0302						
1	$0.0685		$0.0588	$0.0792	$0.0890	$0.1030	$0.1142	$0.1519
2	$0.0896		$0.0792	$0.0449	$0.0546	$0.0697	$0.0799	$0.1175
3	$0.0994		$0.0890	$0.0546	$0.0382	$0.0679	$0.0781	$0.1158
4	$0.1145		$0.1041	$0.0697	$0.0679	$0.0417	$0.0475	$0.0850
5	$0.1247		$0.1142	$0.0799	$0.0781	$0.0475	$0.0443	$0.0781
6	$0.1624		$0.1519	$0.1175	$0.1158	$0.0850	$0.0781	$0.0658

Notes:

1/ The above maximum rates include a per Dth charge for:
(ACA) Annual Charge Adjustment $0.0016

2/ The applicable fuel retention percentages are listed on Sheet No. 29, provided that for service rendered solely by displacement, shipper shall render only the quantity of gas associated with losses of .5%.

Issued by: Marguerite Woung-Chapman, Vice President
Issued on: August 31, 2006 Effective on: October 1, 2006

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TENNESSEE GAS PIPELINE COMPANY
FERC Gas Tariff
FIFTH REVISED VOLUME NO. 1

Sixteenth Revised Sheet No. 27
Superseding
Fifteenth Revised Sheet No. 27

RATES PER DEKATHERM

Rate Schedule and Rate	Tariff Rate	ADJUSTMENTS (ACA) (TCSM) (PCB) 2/	Current Adjustment	Retention Percent 1/
STORAGE SERVICE				
FIRM STORAGE SERVICE (FS) - PRODUCTION AREA				
Deliverability Rate	$2.02	$0.00	$2.02	
Space Rate	$0.0248	$0.0000	$0.0248	
Injection Rate	$0.0053		$0.0053	1.49%
Withdrawal Rate	$0.0053		$0.0053	
Overrun Rate	$0.2427		$0.2427	
FIRM STORAGE SERVICE (FS) - MARKET AREA				
Deliverability Rate	$1.15	$0.00	$1.15	
Space Rate	$0.0185	$0.0000	$0.0185	
Injection Rate	$0.0102		$0.0102	1.49%
Withdrawal Rate	$0.0102		$0.0102	
Overrun Rate	$0.1380		$0.1380	
INTERRUPTIBLE STORAGE SERVICE (IS) - MARKET AREA				
Space Rate	$0.0848	$0.0000	$0.0848	
Injection Rate	$0.0102		$0.0102	1.49%
Withdrawal Rate	$0.0102		$0.0102	
INTERRUPTIBLE STORAGE SERVICE (IS) - PRODUCTION AREA				
Space Rate	$0.0993	$0.0000	$0.0993	
Injection Rate	$0.0053		$0.0053	1.49%
Withdrawal Rate	$0.0053		$0.0053	

1/ The quantity of gas associated with losses is 0.5%.
2/ PCB adjustment surcharge originally effective for PCB Adjustment Period of July 1, 1995 - June 30, 2000, was revised and the PCB Adjustment Period has been extended until June 30, 2008 as required by the Stipulation and Agreement filed on May 15, 1995 and approved by Commission Orders issued November 29, 1995 and February 20, 1996.

Issued by: Byron S. Wright, Vice President
Issued on: May 31, 2006
Effective on: July 1, 2006

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TENNESSEE GAS PIPELINE COMPANY
FERC Gas Tariff
FIFTH REVISED VOLUME NO. 1

Twenty-Seventh Revised Sheet No. 26
Superseding
Twenty-Sixth Revised Sheet No. 26

RATES PER DEKATHERM

RATE SCHEDULE NET

Rate Schedule and Rate	Base Tariff Rate	ADJUSTMENTS (ACA)	(TCSM)	(PCB) 6/	Rate After Current Adjustments
Demand Rate 1/, 5/					
Segment U	$9.65			$0.00	$9.65
Segment 1	$1.33			$0.00	$1.33
Segment 2	$8.08			$0.00	$8.08
Segment 3	$5.07			$0.00	$5.07
Segment 4	$5.54			$0.00	$5.54
Commodity Rate 2/, 7/					
Segments U, 1, 2, 3 & 4		$0.0016			$0.0016

Notes:
1/ A specific customer's Monthly Demand Rate is dependent upon the location of its points of receipt and delivery, and is to be determined by summing the Monthly Demand Rate components for those pipeline segments connecting said points.
2/ The applicable surcharges for ACA and TCSM will be assessed on actual quantities delivered and are not dependent upon the location of points of receipt and delivery.
3/ Reserved for future use.
4/ Reserved for future use.
5/ Rates are subject to negotiation pursuant to the terms of the Rate Schedule for NET.
6/ PCB adjustment surcharge originally effective for PCB Adjustment Period of July 1, 1995 - June 30, 2000, was revised and the PCB Adjustment Period has been extended until June 30, 2008 as required by the Stipulation and Agreement filed on May 15, 1995 and approved by Commission Orders issued November 29, 1995 and February 20, 1996.
7/ The applicable fuel retention percentages are listed on Sheet Nos. 180 and 181.

Issued by: Marguerite Woung-Chapman, Vice President
Issued on: August 31, 2006 Effective on: October 1, 2006

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TENNESSEE GAS PIPELINE COMPANY
FERC Gas Tariff
FIFTH REVISED VOLUME NO. 1

Thirty-Ninth Revised Sheet No. 26B
Superseding
Thirty-Eighth Revised Sheet No. 26B

RATES PER DEKATHERM

RATE SCHEDULE NET 284

Rate Schedule and Rate	Base Tariff Rate	ADJUSTMENTS (ACA)	(TCSM)	(PCB) 5/	Rate After Current Adjustments	Fuel and Use
Demand Rate 1/, 5/						
Segment U	$9.65			$0.00	$9.65	
Segment 1	$1.33			$0.00	$1.33	
Segment 2	$8.08			$0.00	$8.08	
Segment 3	$5.07			$0.00	$5.07	
Segment 4	$5.54			$0.00	$5.54	
Commodity Rate 2/, 3/						
Segments U, 1, 2, 3 & 4		$0.0016			$0.0016	6/
Extended Receipt and Delivery Rate 4/, 7/						
Segment U	$0.3173				$0.3173	5.52%
Segment 1	$0.0437				$0.0437	0.69%
Segment 2	$0.2656				$0.2656	0.59%
Segment 3	$0.1667				$0.1667	0.73%
Segment 4	$0.1821				$0.1821	0.36%

Notes:
1/ A specific customer's Monthly Demand Rate is dependent upon the location of its points of receipt and delivery, and is to be determined by summing the Monthly Demand Rate components for those pipeline segments connecting said points.
2/ The applicable surcharges for ACA and TCSM will be assessed on actual quantities delivered and are not dependent upon the location of points of receipt and delivery.
3/ The Incremental Pressure Charge associated with service to MassPower shall be $0.0334 plus an additional Incremental Fuel Charge of 5.83%.
4/ Rates are subject to negotiation pursuant to the terms of the Rate Schedule for NET 284.
5/ PCB adjustment surcharge originally effective for PCB Adjustment Period of July 1, 1995 - June 30, 2000, was revised and the PCB Adjustment Period has been extended until June 30, 2008 as required by the Stipulation and Agreement filed on May 15, 1995 and approved by Commission Orders issued November 29, 1995 and February 20, 1996.
6/ The applicable fuel retention percentages are listed on Sheet No. 220A.
7/ The Extended Receipt and Delivery Rates are additive for each segment outside of the segments under Shipper's base NET-284 contract.

Issued by: Marguerite Woung-Chapman, Vice President
Issued on: August 31, 2006 Effective on: October 1, 2006

Previous Next Search

TENNESSEE GAS PIPELINE COMPANY
FERC Gas Tariff
FIFTH REVISED VOLUME NO. 1

First Revised Sheet No. 29
Superseding
Substitute Original Sheet No. 29

FUEL AND LOSS RETENTION PERCENTAGE 1\,2\,3\

NOVEMBER - MARCH

RECEIPT ZONE	Delivery Zone 0	L	1	2	3	4	5	6
0	0.89%		2.79%	5.16%	5.88%	6.79%	7.88%	8.71%
L		1.01%						
1	1.74%		1.91%	4.28%	4.99%	5.90%	6.99%	7.82%
2	4.59%		2.13%	1.43%	2.15%	3.05%	4.15%	4.98%
3	6.06%		3.60%	1.23%	0.69%	2.64%	3.69%	4.52%
4	7.43%		4.97%	2.68%	3.07%	1.09%	1.33%	2.17%
5	7.51%		5.05%	2.76%	3.14%	1.16%	1.28%	2.09%
6	8.93%		6.47%	4.18%	4.56%	2.50%	1.40%	0.89%

APRIL - OCTOBER

RECEIPT ZONE	Delivery Zone 0	L	1	2	3	4	5	6
0	0.84%		2.44%	4.43%	5.04%	5.80%	6.72%	7.42%
L		0.95%						
1	1.56%		1.70%	3.69%	4.29%	5.06%	5.97%	6.67%
2	3.95%		1.88%	1.30%	1.90%	2.66%	3.58%	4.28%
3	5.19%		3.12%	1.13%	0.67%	2.32%	3.19%	3.90%
4	6.34%		4.28%	2.35%	2.67%	1.01%	1.21%	1.92%
5	6.41%		4.34%	2.41%	2.74%	1.07%	1.17%	1.86%
6	7.61%		5.53%	3.61%	3.93%	2.20%	1.27%	0.85%

1\ Included in the above Fuel and Loss Retention Percentages is the quantity of gas associated with losses of 0.5%.

2\ For service that is rendered entirely by displacement shipper shall render only the quantity of gas associated with losses of 0.5%.

3\ The above percentages are applicable to (IT) Interruptible Transportation, (FT-A) Firm Transportation, (FT-GS) Firm Transportation-GS, (PAT) Preferred Access Transportation, (IT-X) Interruptible Transportation-X, (FT-G) Firm Transportation-G, (EDS/ERS) FT-A Extended Transportation Service.

Issued by: E. J. Holm, Agent and Attorney-in-Fact
Issued on: February 13, 1997 Effective on: March 1, 1997
Filed to comply with order of the Federal Energy Regulatory Commission, Docket No. RP95-112, issued January 29, 1997, 78 FERC ¶ 61,069

TENNESSEE GAS PIPELINE COMPANY
FERC Gas Tariff
FIFTH REVISED VOLUME NO. 1

Twenty-Fifth Revised Sheet No. 23
Superseding
Twenty-Fourth Revised Sheet No. 23

RATES PER DEKATHERM

FIRM TRANSPORTATION RATES
RATE SCHEDULE FOR FT-A

Base Reservation Rates

RECEIPT ZONE	DELIVERY ZONE 0	L	1	2	3	4	5	6
0	$3.10		$6.45	$9.06	$10.53	$12.22	$14.09	$16.59
L		$2.71						
1	$6.66		$4.92	$7.62	$9.08	$10.77	$12.64	$15.15
2	$9.06		$7.62	$2.86	$4.32	$6.32	$7.89	$10.39
3	$10.53		$9.08	$4.32	$2.05	$6.08	$7.64	$10.14
4	$12.53		$11.08	$6.32	$6.08	$2.71	$3.38	$5.89
5	$14.09		$12.64	$7.89	$7.64	$3.38	$2.85	$4.93
6	$16.59		$15.15	$10.39	$10.14	$5.89	$4.93	$3.16

Surcharges

RECEIPT ZONE	DELIVERY ZONE 0	L	1	2	3	4	5	6
PCB Adjustment: 1/ 0	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
L		$0.00						
1	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
3	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
4	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
5	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
6	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

Maximum Reservation Rates 2/

RECEIPT ZONE	DELIVERY ZONE 0	L	1	2	3	4	5	6
0	$3.10		$6.45	$9.06	$10.53	$12.22	$14.09	$16.59
L		$2.71						
1	$6.66		$4.92	$7.62	$9.08	$10.77	$12.64	$15.15
2	$9.06		$7.62	$2.86	$4.32	$6.32	$7.89	$10.39
3	$10.53		$9.08	$4.32	$2.05	$6.08	$7.64	$10.14
4	$12.53		$11.08	$6.32	$6.08	$2.71	$3.38	$5.89
5	$14.09		$12.64	$7.89	$7.64	$3.38	$2.85	$4.93
6	$16.59		$15.15	$10.39	$10.14	$5.89	$4.93	$3.16

Minimum Base Reservation Rates The minimum FT-A Reservation Rate is $0.00 per Dth

Notes:
1/ PCB adjustment surcharge originally effective for PCB Adjustment Period of July 1, 1995 - June 30, 2000, was revised and the PCB Adjustment Period has been extended until June 30, 2008 as required by the Stipulation and Agreement filed on May 15, 1995 and approved by Commission Orders issued November 29, 1995 and February 20, 1996.
2/ Maximum rates are inclusive of base rates and above surcharges.

Issued by: Byron S. Wright, Vice President
Issued on: May 31, 2006 Effective on: July 1, 2006

TEXAS EASTERN TRANSMISSION, LP

SUMMARY OF RATES

Currently Effective Rates 12/01/2006

•RESERVATION CHARGES

	CDS	FT-1	SCT
STX-AAB	6.8050	6.5820	2.7220
WLA-AAB	2.8260	2.6030	1.1300
ELA-AAB	2.3750	2.1520	0.9500
ETX-AAB	2.1890	1.9660	0.8760
STX-STX	5.7330	5.5100	2.2920
STX-WLA	5.8920	5.6690	2.3560
STX-ELA	6.8080	6.5850	2.7220
STX-ETX	6.8080	6.5850	2.7220
WLA-WLA	2.0560	1.8330	0.8220
WLA-ELA	2.8290	2.6060	1.1300
WLA-ETX	2.8290	2.6060	1.1300
ELA-ELA	2.3770	2.1540	0.9500
ETX-ETX	2.1910	1.9680	0.8760
ETX-ELA	2.3770	2.1540	0.9500
M1-M1	4.4440	4.2210	1.7760
M1-M2	8.1320	7.9090	3.2510
M1-M3	10.6480	10.4250	4.2570
M2-M2	6.3410	6.1180	2.5350
M2-M3	8.9960	8.7730	3.5960
M3-M3	5.1710	4.9480	2.0670

SCT DEMAND CHARGES	
Access Area	0.0010
M1-M1	0.0020
M1-M2	0.0020
M1-M3	0.0020

7(C) RATE SCHEDULES	
FTS	5.3500
FTS-2	7.9590
FTS-4	7.7140
FTS-5	5.1790
FTS-7	6.5760
FTS-8	6.8640
X-127	7.7060
X-129	7.5430
X-130	7.5430
X-135	1.6030
X-137	4.0100

•USAGE CHARGES

CDS & FT-1 USAGE-1

Forward Haul	STX	WLA	ELA	ETX	M1	M2	M3
from STX	0.0060	0.0067	0.0102	0.0102	0.0216	0.0404	0.0532
from WLA		0.0037	0.0072	0.0072	0.0186	0.0374	0.0502
from ELA			0.0059	0.0059	0.0173	0.0361	0.0489
from ETX				0.0059	0.0173	0.0361	0.0489
from M1					0.0114	0.0302	0.0430
from M2						0.0211	0.0338
from M3							0.0149

Backhaul	STX	WLA	ELA	ETX	M1	M2	M3
from STX	0.0088						
from WLA	0.0096	0.0059					

from ELA	0.0140	0.0103	0.0087				
from ETX	0.0140	0.0103	0.0087	0.0087			
from M1	0.0281	0.0244	0.0228	0.0228	0.0141		
from M2	0.0483	0.0446	0.0430	0.0430	0.0343	0.0245	
from M3	0.0623	0.0586	0.0570	0.0570	0.0483	0.0384	0.0181

SCT USAGE-1

Forward Haul	STX	WLA	ELA	ETX	M1	M2	M3
from STX	0.1871	0.1930	0.2266	0.2266	0.3766	0.5167	0.6121
from WLA		0.0639	0.0928	0.0928	0.2428	0.3828	0.4783
from ELA			0.0767	0.0767	0.2267	0.3667	0.4622
from ETX				0.0705	0.2206	0.3606	0.4561
from M1					0.1500	0.2901	0.3855
from M2						0.2221	0.3221
from M3							0.1774

Backhaul	STX	WLA	ELA	ETX	M1	M2	M3
from STX	0.1899						
from WLA	0.1959	0.0661					
from ELA	0.2304	0.0959	0.0795				
from ETX	0.2304	0.0959	0.0795	0.0733			
from M1	0.3831	0.2486	0.2322	0.2261	0.1527		
from M2	0.5246	0.3900	0.3736	0.3675	0.2942	0.2255	
from M3	0.6212	0.4867	0.4703	0.4642	0.3908	0.3267	0.1806

PTI & IT-1 USAGE-1

Forward Haul	STX	WLA	ELA	ETX	M1	M2	M3
from STX	0.1872	0.1931	0.2267	0.2267	0.3769	0.5169	0.6125
from WLA		0.0639	0.0929	0.0929	0.2431	0.3831	0.4787
from ELA			0.0768	0.0768	0.2270	0.3670	0.4626
from ETX				0.0706	0.2208	0.3608	0.4564
from M1					0.1502	0.2902	0.3858
from M2						0.2222	0.3222
from M3							0.1776

Backhaul	STX	WLA	ELA	ETX	M1	M2	M3
from STX	0.1900						
from WLA	0.1960	0.0661					
from ELA	0.2305	0.0960	0.0796				
from ETX	0.2305	0.0960	0.0796	0.0734			
from M1	0.3834	0.2489	0.2325	0.2263	0.1529		
from M2	0.5248	0.3903	0.3739	0.3677	0.2943	0.2256	
from M3	0.6216	0.4871	0.4707	0.4645	0.3911	0.3268	0.1808

OTHER TRANSPORTATION SERVICES

	Reservation	Usage-1	Shrinkage
LLFT	3.3400	0.0023	0.43%
	3.3400 1/		
LLIT		0.1121	0.43%
		0.1121 1/	0.43%
VKFT	0.0945		0.00%
VKIT		0.0945	0.00%

FT-1/FTS	0.6600		0.00%
FT-1/FTS-4	3.0110		0.00%
FT-1/M1	8.4952		0.28%
FT-1/NC	6.5590		0.00%
FT-1/RIV	10.4380		0.00%
FT-1/PLP	1.9410		0.00%
FT-1/L1A	1.5830		0.00%
FT-1LEP	4.4610		0.00%
FT-1/IRW	0.6040 2/		0.00%
FT-1/TME	11.9710		5.36%
CTS	8.7730	0.0338	
MLS-1/FH	0.6385		0.01%
MLS-1/FA	0.8690	0.0286 3/	0.00%
MLS-1/HR	1.1120	0.0366 3/	0.01%

1/ Pursuant to Section 26 of the General Terms and Conditions
2/ Effective October 1 through April 30
3/ Per Section 3.3 of MLS-1 Rate Schedule

•STORAGE SERVICES

	RES.	SPACE	INJ.	WITH.
SS	5.3390	0.1293	0.0324	0.0453
SS-1	5.4360	0.1293	0.0324	0.0452
X-28	4.7400	0.1293	0.0324	0.0410
FSS-1	0.8950	0.1293	0.0324	0.0324
ISS-1		0.0323	0.1881	0.0324

•SHRINKAGE PERCENTAGES (December 1 through March 31)

TRANSPORTATION

	STX	WLA	ELA	ETX	M1	M2	M3
from STX	3.02%	3.18%	4.05%	4.05%	6.95%	8.55%	9.62%
from WLA	2.43%	2.43%	3.31%	3.31%	6.21%	7.81%	8.88%
from ELA	2.99%	2.99%	2.99%	2.99%	5.89%	7.49%	8.56%
from ETX	3.02%	2.99%	2.99%	2.99%	5.89%	7.49%	8.56%
from M1					2.90%	4.50%	5.57%
from M2						3.73%	4.81%
from M3							3.22%

•SHRINKAGE PERCENTAGES (April 1 through November 30)

TRANSPORTATION

	STX	WLA	ELA	ETX	M1	M2	M3
from STX	2.52%	2.65%	3.35%	3.36%	5.77%	7.07%	7.94%
from WLA	2.04%	2.04%	2.75%	2.75%	5.17%	6.47%	7.34%

from ELA	2.49%	2.49%	2.49%	2.49%	4.91%	6.21%	7.08%
from ETX	2.52%	2.49%	2.49%	2.49%	4.91%	6.21%	7.08%
from M1					2.42%	3.72%	4.59%
from M2						3.09%	4.97%
from M3							2.68%

NON-ASA RATE SCHEDULES

FTS-4 LEIDY		FTS	1.29%	STORAGE SERVICE	12/01-3/31	04/01-11/30
(Apr 1-Nov 14)	1.00%	FTS-2	0.00%	WITHDRAWALS:		
(Nov 15-Mar 31)	4.89%	X-127	0.00%	SS,SS-1,X-28	3.93%	3.42%
CHMSBG	0.00%	X-129	0.00%	FSS-1,ISS-1	0.89%	0.89%
FTS-5	0.00%	X-130	0.00%			
FTS-7 M3	2.00%	X-135	0.00%	INJECTIONS	0.89%	0.89%
FTS-7 M1 & M2	0.00%	X-137	1.30%	INVENTORY LEVEL	0.06%	0.06%
FTS-8 M3	1.50%					
FTS-8 M1 & M2	0.00%					

- **SURCHARGES**

GRI Surcharges		ACA Surcharge	
Demand Surcharge High LF	0.0000	Commodity	0.0016
Demand Surcharge Low LF	0.0000		
Commodity	0.0000		
SCT Commodity	0.0000		

- **The Summary of Rates serves as a handy reference and does not replace Texas Eastern's Tariff.**

Canadian and Export Transportation Tolls
Interim Tolls Effective January 1, 2007

Line No	Particulars	Demand Toll ($/GJ/mo)	Commodity Toll ($/GJ)	100% LF Toll ($/GJ)
	(a)	(b)	(c)	(d)
	Canadian Firm Transportation			
1	Saskatchewan Zone	5.13449	0.01113	0.17994
2	Manitoba Zone	8.77887	0.01929	0.30791
3	Welwyn to Manitoba Zone	3.41289	0.00598	0.11818
4	Western Zone	14.08149	0.03271	0.49566
5	Northern Zone	21.61469	0.05124	0.76186
6	North Bay Junction	23.62512	0.05635	0.83307
7	Eastern Zone	28.06502	0.06731	0.99000
8	Herbert to Eastern Zone	26.37404	0.06312	0.93021
9	Bayhurst to Eastern Zone	27.79865	0.06665	0.98058
10	Success to Eastern Zone	26.87608	0.06436	0.94796
11	Southwest Zone	23.66566	0.05650	0.83455
12	Herbert to Southwest Zone	21.97477	0.05230	0.77476
13	Shackleton to Southwest Zone	22.85302	0.05448	0.80581
14	Steelman to Southwest Zone	20.29695	0.04814	0.71544
15	Suffield to Southwest Zone	23.64784	0.05645	0.83391
	Export Firm Transportation			
16	Empress to Emerson	9.87559	0.02226	0.34694
17	Empress to St. Clair	23.61801	0.05634	0.83282
18	Empress to Chippawa	27.97456	0.06714	0.98685
19	Empress to Niagara Falls	27.95359	0.06709	0.98611
20	Empress to Iroquois	27.40216	0.06572	0.96661
21	Bayhurst to Iroquois	27.13587	0.06506	0.95720
22	Liebenthal to Iroquois	27.01962	0.06477	0.95309
23	Richmound to Iroquois	27.38268	0.06567	0.96592
24	Empress to Cornwall	28.34552	0.06806	0.99997
25	Empress to Philipsburg	29.87462	0.07185	1.05403
26	Herbert to Philipsburg	28.18373	0.06766	0.99425
27	Empress to Napierville	29.72143	0.07147	1.04861
28	Empress to East Hereford	31.49742	0.07587	1.11140
	Shorthaul Firm Transportation			
29	Emerson to Union CDA	16.93263	0.03961	0.59630
30	Emerson to Niagara	17.48538	0.04113	0.61599
31	Dawn to Enbridge CDA	3.46799	0.00636	0.12038
32	Dawn to Enbridge EDA	7.36075	0.01606	0.25806
33	Dawn to Union CDA	2.98201	0.00502	0.10306
34	Dawn to Union EDA	5.74049	0.01199	0.20072
35	Dawn to GMIT EDA	8.29560	0.01841	0.29114
36	Dawn to Iroquois	6.63060	0.01422	0.23221
37	Dawn to Niagara	3.53344	0.00654	0.12271
38	Dawn to Chippawa	3.55441	0.00659	0.12345
38	Dawn to Philipsburg	8.50468	0.01886	0.29847
38	Union Parkway Belt to Union EDA	3.74989	0.00706	0.13034
39	Union Parkway Belt to Iroquois	4.64000	0.00928	0.16183
40	Union Parkway Belt to Enbridge CDA	1.56284	0.00163	0.05301
41	Union Parkway Belt to GMIT EDA	6.30500	0.01348	0.22077
42	Union Parkway Belt to Philipsburg	6.51408	0.01393	0.22809
43	St. Clair to Union SWDA	0.96263	0.00012	0.03177
44	St. Clair to Chippawa	3.76349	0.00711	0.13084
45	St. Clair to East Hereford	10.33657	0.02341	0.36324
46	Herbert to Emerson	8.18470	0.01807	0.28716
47	Success to Emerson	8.68674	0.01931	0.30490
48	Bayhurst to Emerson	9.60931	0.02160	0.33752
46	Kirkwall to Chippawa	1.89906	0.00248	0.06491

* All tolls are expressed and payable in Canadian Dollars.

Canadian and Export Transportation Tolls
Interim Tolls Effective January 1, 2007

Line No	Particulars	Demand Toll ($/GJ/mo)	Commodity Toll ($/GJ)
	(a)	(b)	(c)
	Storage Transportation Service		
1	Centra Gas Manitoba - MDA	2.25000	0.00336
2	Union Gas - WDA	13.98417	0.03245
3	Union Gas - NDA	5.68583	0.01187
4	Union Gas - EDA	3.67833	0.00690
5	Kingston PUC	3.56417	0.00661
6	Gaz Metropolitain - EDA	6.33333	0.01348
7	Enbridge - CDA	0.93417	0.00009
8	Enbridge - EDA	2.37083	0.00365
9	Cornwall	4.98583	0.01014
10	Philipsburg	6.51417	0.01393

	Delivery Pressure	Demand Toll ($/GJ/mo)	Commodity Toll ($/GJ)	Daily Equivalent *(1) ($/GJ)
	(a)	(b)	(c)	(d)
11	Emerson - 1 (Viking)	0.03394	0.00000	0.00112
12	Emerson - 2 (Great Lakes)	0.14207	0.00000	0.00467
13	Dawn	0.05819	0.00000	0.00191
14	Niagara Falls	0.14225	0.00000	0.00468
15	Iroquois	0.68831	0.00000	0.02263
16	Chippawa	1.06237	0.00000	0.03493
17	East Hereford	1.61488	0.00847	0.06156

*(1) The Demand Daily Equivalent Toll is only applicable to STS Injections, IT, Diversions and STFT.

Transcontinental Gas Pipe Line Corporation
FERC Gas Tariff
Third Revised Volume No. 1

Twenty-Ninth Revised Sheet No. 40
Superseding
Twenty-Eighth Revised Sheet No. 40

FIRM TRANSPORTATION SERVICE RATES
APPLICABLE TO TRANSPORTATION RENDERED PURSUANT TO
RATE SCHEDULE FT AND PART 284 OF THE
REGULATIONS OF THE FERC

Monthly Reservation Rate per dt

Receipt & Delivery Zone	Fixed Cost Unit Rate ($)	Variable Cost Unit Rate ($)	Electric Power Unit Rate ($)	Maximum Rate (1) ($)	Minimum Rate (2)(3) ($)	Includes the Emergency Eminence Service Rate (5) Maximum Rate (4) ($)	Includes the Emergency Eminence Service Rate (5) Minimum Rate (2)(3) ($)
1-1	1.7583	0.0000	0.0028	1.7611	0.0028	-	-
1-2, 2-1	2.5553	0.0000	0.0060	2.5613	0.0060	-	-
1-3, 3-1	3.7689	0.0000	0.0106	3.7795	0.0106	-	-
1-4, 4-1	7.8490	0.0000	0.0267	7.8757	0.0267	8.2018	0.0267
1-5, 5-1	10.7984	0.0000	0.0382	10.8366	0.0382	11.1627	0.0382
1-6, 6-1	12.5840	0.0000	0.0445	12.6285	0.0445	12.9546	0.0445
2-2	1.9106	0.0000	0.0032	1.9138	0.0032	-	-
2-3, 3-2	3.1242	0.0000	0.0078	3.1320	0.0078	-	-
2-4, 4-2	7.2043	0.0000	0.0239	7.2282	0.0239	7.5543	0.0239
2-5, 5-2	10.1537	0.0000	0.0354	10.1891	0.0354	10.5152	0.0354
2-6, 6-2	11.9393	0.0000	0.0417	11.9810	0.0417	12.3071	0.0417
3-3	2.3272	0.0000	0.0046	2.3318	0.0046	-	-
3-4, 4-3	6.4073	0.0000	0.0207	6.4280	0.0207	6.7541	0.0207
3-5, 5-3	9.3567	0.0000	0.0322	9.3889	0.0322	9.7150	0.0322
3-6, 6-3	11.1423	0.0000	0.0385	11.1808	0.0385	11.5069	0.0385
4-4	5.1937	0.0000	0.0161	5.2098	0.0161	5.5359	0.0161
4-5, 5-4	8.1431	0.0000	0.0276	8.1707	0.0276	8.4968	0.0276
4-6, 6-4	9.9287	0.0000	0.0339	9.9626	0.0339	10.2887	0.0339
4A-4A	2.1389	0.0000	0.0043	2.1432	0.0043	-	-
4B-4B	1.7472	0.0000	0.0027	1.7499	0.0027	-	-
4B-4A,4A-4B	2.7725	0.0000	0.0070	2.7795	0.0070	-	-
5-5	4.0630	0.0000	0.0115	4.0745	0.0115	-	-
5-6, 6-5	5.8486	0.0000	0.0178	5.8664	0.0178	-	-
6-6	2.8992	0.0000	0.0063	2.9055	0.0063	-	-

Gathering Charges

In addition to the charges above, the gathering rates on Sheet No. 33 shall apply to quantities transported through gathering facilities.

Notes: (1) The Fixed and Variable Cost unit rates plus the Electric Power unit rate.
(2) The Variable Cost unit rate plus the Electric Power unit rate.
(3) The minimum reservation rate applicable to capacity release transactions that are not permanent releases shall not be less than zero.
(4) The unit rates in Note 1 plus the Emergency Eminence Service Rate of $0.3261.
(5) Pursuant to Section 6.1 of Rate Schedule FT, these rates apply to contracts that have TCQ entitlements at the interconnection between Transco's mainline and the Eminence storage facility.

Issued by: Frank J. Ferazzi, Vice President
Issued on: March 1, 2006
Effective on: April 1, 2006

STORAGE AND TRANSPORTATION RATES

(A) Applicability

The charges under this schedule shall be applicable to a Shipper who enters into a Storage or Transportation Service Contract with Union.

(B) Services

Storage service under this rate schedule shall be for Enbridge Gas Distribution Inc only, contracts LST045 expiring March 31, 2008, LST046 expiring March 31, 2009, and LST047 expiring March 31, 2010.

Transportation Service under this rate schedule shall be for transportation on Union's Dawn – Oakville facilities.

(C) Rates

The identified rates represent maximum prices for service. These rates may change periodically. Multi-year prices may also be negotiated, which may be higher than the identified rates.

	Monthly Demand Charge (applied to daily contract demand) Rate/GJ	Commodity and Fuel Changes		
		Fuel Ratio %	AND	Commodity Charge Rate/GJ
Storage (1)				
Space – Shipper Providing Deliverability (2)	$0.010			
Deliverability - Firm	$1.050			
Injection		0.600%		$0.006
Withdrawal		0.600%		$0.006
Firm Transportation (3)				
Dawn to Oakville/Parkway	$2.392	Monthly fuel rates and ratios shall be in accordance with schedule "C".		
Dawn to Kirkwall	$2.036			
Parkway to Dawn	n/a			
Limited Firm/Interruptible Transportation (3)				
Dawn to Parkway – Maximum	$5.741	Monthly fuel rates and ratios shall be in accordance with schedule "C".		
Dawn to Kirkwall - Maximum	$5.741			
Parkway (TCPL) to Parkway (Cons) (4)		0.329%		
Dehydration (5)				
Tecumseh Dehydration	$0.036			$0.003

Vector Pipeline L.P.
FERC Gas Tariff
Original Volume No. 1

Sixth Revised Sheet No. 20
Superseding
Fifth Revised Sheet No. 20

STATEMENT OF RATES AND CHARGES

All rates are stated in U.S. $

Rate Schedule FT-1 1/

Recourse Rates:

	Zone 1 2/		Zone 2 2/	
	Maximum	Minimum	Maximum	Minimum
Reservation Charge ($ per Dth per month)	$1.4570	0.0000	$9.9523	0.0000
Usage Charge ($ per Dth)	0.0000	0.0000	0.0000	0.0000
ACA Charge	0.0016	0.0016	0.0016	0.0016
Usage and ACA Charge	0.0016	0.0016	0.0016	0.0016

Negotiated Rates:

The effective maximum negotiated charge for any negotiated rate transportation agreement is the charge agreed to by the parties, as set forth in the attached Tariff sheets.

Rate Schedule FT-L 1/

Recourse Rates:

	Zone 1 2/		Zone 2 2/	
	Maximum	Minimum	Maximum	Minimum
Reservation Charge ($ per Dth per month)	$0.9780	0.0000	$6.6803	0.0000
Usage Charge ($ per Dth)	0.0157	0.0000	0.1076	0.0000
ACA Charge	0.0016	0.0016	0.0016	0.0016
Usage and ACA Charge	0.0173	0.0016	0.1092	0.0016

Negotiated Rates:

The effective maximum negotiated charge for any negotiated rate transportation agreement is the charge agreed to by the parties, as set forth in the attached Tariff sheets.

Issued by: Craig Fishbeck, President
Issued on: August 31, 2006 Effective on: October 1, 2006

Previous Next Search

NH07
def_interes

NORTHERN UTILITIES,INC
NEW HAMPSHIRE DIVISION
CGA/REFUND INTEREST CALCULATION FOR SUMMER
May 1, 2007 TO October 31, 2007

		Beg of Mo. Balance	(Over)Under Collection	End of Mo. Balance	Average Balance	Interest Rate	Annual Interest Amount	Monthly Balance W/ Interest
Dec-06	(act)	$ (611,704)	$ -	$ (611,704)	$ (611,704)	8.25%	$ (4,205)	$ (615,909)
Jan-07	(act)	$ (615,909)	$ -	$ (615,909)	$ (615,909)	8.25%	$ (4,234)	$ (620,143)
Feb-07	(fcst)	$ (620,143)	$ -	$ (620,143)	$ (620,143)	8.25%	$ (4,263)	$ (624,406)
Mar-07	(fcst)	$ (624,406)	$ -	$ (624,406)	$ (624,406)	8.25%	$ (4,293)	$ (628,699)
Apr-07	(fcst)	$ (628,699)	$ -	$ (628,699)	$ (628,699)	8.25%	$ (4,322)	$ (633,021)
May-07	(fcst)	$ (633,021)	$ 76,529	$ (556,492)	$ (594,757)	8.25%	$ (4,089)	$ (560,581)
Jun-07	(fcst)	$ (560,581)	$ (30,621)	$ (591,202)	$ (575,892)	8.25%	$ (3,959)	$ (595,161)
Jul-07	(fcst)	$ (595,161)	$ (30,259)	$ (625,420)	$ (610,291)	8.25%	$ (4,196)	$ (629,616)
Aug-07	(fcst)	$ (629,616)	$ (19,633)	$ (649,250)	$ (639,433)	8.25%	$ (4,396)	$ (653,646)
Sep-07	(fcst)	$ (653,646)	$ 56,756	$ (596,890)	$ (625,268)	8.25%	$ (4,299)	$ (601,189)
Oct-07	(fcst)	$ (601,189)	$ 397,593	$ (203,596)	$ (402,392)	8.25%	$ (2,766)	$ (206,362)
Nov-07	(fcst)	$ (206,362)		$ (206,362)	$ (206,362)	8.25%	$ (1,419)	$ (207,781)
			$ 450,364				$ (25,124)	

	$ (207,781)
Hedging	$ 126,764
WC	$ 15,449
BD	$ 36,731
Misc OH	$ 28,837
	$ (0)

NH_Variance_Summer

NORTHERN UTILITIES,INC. - NEW HAMPSHIRE DIVISION

Variance Analysis of Components of Proposed CGA vs. Actual Costs 2006-2007

	May, 2007 through October, 2007			May, 2006 through October, 2006			Difference
	Costs	Therm Sales	Rate Effect on CGA	Costs	Therm Sales	Rate Effect on CGA	Rate
DEMAND				**DEMAND**			
Product Demand	$ 52,365		$ 0.0047	Product Demand	$ 31,261	$ 0.0032	$ 0.0015
Pipeline - Reservation	$ 532,099		$ 0.0482	Pipeline - Reservation	$ 1,498,771	$ 0.1548	$ (0.1065)
Storage Demand	$ 505,754		$ 0.0459	Storage Demand	$ -	$ -	$ 0.0459
Capacity Release	$ -		$ -	Capacity Release	$ -	$ -	$ -
				Capacity Exchange w/ME	$ 5,946	$ 0.0006	$ (0.0006)
Total Demand Effect	$ 1,090,218	11,029,620	$ 0.0988	Total Demand Effect	$1,535,978	9,683,267	$ 0.1586	$ (0.0598)
COMMODITY				**COMMODITY**			
Granite State	$ 4,257,406		$ 0.3860	Granite State	$ -	$ -	$ 0.3860
Canadian	$ -		$ -	Canadian	$ -	$ -	$ -
Domestic	$ 4,839,719		$ 0.4388	Domestic	$ -	$ -	$ 0.4388
Hedging Gain/Loss	$ 126,764		$ 0.0115	Hedging Gain/Loss	$ 731,909	$ 0.0756	$ (0.0641)
LPG/LNG/Peaking/Other	$ 41,955		$ 0.0038	LPG/LNG/Peaking/Other	$ 2,080	$ 0.0002	$ 0.0036
Distrigas Vapor/Spot	$ -		$ -	Distrigas Vapor/Spot	$ -	$ -	$ -
Storage Supplies	$ -		$ -	Storage Supplies	$ -	$ -	$ -
Peaking Supplies	$ -		$ -	Peaking Supplies	$ -	$ -	$ -
				Miscellaneous	$ 6,559,900	$ 0.6774	$ (0.6774)
Total Commodity Effect	$ 9,265,844	11,029,620	$ 0.8401	Total Pipeline Commodity Effect	$ 7,293,889	9,683,267	$ 0.7532	$ 0.0868
TOTAL WINTER GAS COSTS	$ 10,356,062	11,029,620	$ 0.9389	**TOTAL WINTER GAS COSTS**	$8,829,867	9,683,267	$ 0.9119	$ 0.0271
Under/Over Collection	$ (633,021)		$ (0.0574)	Under/Over Collection	$ (407,054)	$ (0.0420)	$ (0.0154)
Refunds	$ -		$ -	Refunds	$ -	$ -	$ -
Interest	$ (25,124)		$ (0.0023)	Interest	$ (12,088)	$ (0.0012)	$ (0.0010)
Miscellaneous Overhead-Allocat	$ 28,837		$ 0.0026	Miscellaneous Overhead-Allocat	$ 28,428	$ 0.0029	$ (0.0003)
Working Capital Allowance	$ 15,449		$ 0.0014	Working Capital Allowance	$ 17,007	$ 0.0018	$ (0.0004)
Bad Debt Allowance	$ 36,731		$ 0.0033	Bad Debt Allowance	$ 40,357	$ 0.0042	$ (0.0008)
Production and Storage Capacity	$ -		$ -	Production and Storage Capacity	$ -	$ -	$ -
Summer Costs Deferred to Winte	$ -		$ -	Summer Costs Deferred to Winte	$ -	$ -	$ -
Interruptible Profits	$ -		$ -	Miscellaneous	$ -	$ -	$ -
TOTAL	$ 9,778,934	11,029,620	$ 0.8866	**TOTAL**	$8,496,517	9,683,267	$ 0.8774	$ 0.0092

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
FORECASTED MAY 2007 vs. 2006 SUMMER PERIOD

Shows the effect of the Unit Cost of Gas & LDAC Rate Change
New Hampshire Division - Typical Residential Heating Bill

12 MOS ENDED 10/2006		November	December	January	February	March	April	Winter Nov-Apr	May	June	July	August	September	October	Summer May-Oct	Total Nov-Oct
Typical Usage:		109	150	187	188	166	132	932	90	55	30	30	42	71	318	1,250
Residentail Heating																
Winter:																
Cust. Chg	$ 9.50	$9.50	$9.50	$9.50	$9.50	$9.50	$9.50	$57.00								
First 50 therms @	$ 0.4102	$20.51	$20.51	$20.51	$20.51	$20.51	$20.51	$123.06								
Exces 50 therms @	$ 0.2990	$17.64	$29.90	$40.96	$41.26	$34.68	$24.52	$188.96								
Summer:																
Cust. Chg	$ 9.50								$9.50	$9.50	$9.50	$9.50	$9.50	$9.50	$57.00	$114.00
First 50 therms @	$ 0.4102								$20.51	$20.51	$12.31	$12.31	$17.23	$20.51	$103.38	$226.44
Exces 50 therms @	$ 0.2990								$11.96	$1.50	$0.00	$0.00	$0.00	$6.28	$19.74	$208.70
Total Base Rate Amount		$47.65	$59.91	$70.97	$71.27	$64.69	$54.53	$369.02	$41.97	$31.51	$21.81	$21.81	$26.73	$36.29	$180.12	$549.14
CGA Rates - (Seasonal)		$1.2831	$1.2831	$1.2831	$1.0907	$1.0907	$1.0907		$1.0104	$0.8809	$0.8809	$0.8809	$0.9538	$1.1493		
LDAC		$0.0282	$0.0282	$0.0282	$0.0282	$0.0282	$0.0282		$0.0282	$0.0282	$0.0282	$0.0282	$0.0282	$0.0282		
Total CGA and LDAC Amount		$142.93	$196.70	$245.21	$210.35	$185.74	$147.69	$1,128.62	$93.47	$50.00	$27.27	$27.27	$41.24	$83.60	$322.85	$1,451.47
Total Bill		$190.58	$256.61	$316.18	$281.62	$250.43	$202.22	$1,497.64	$135.44	$81.51	$49.08	$49.08	$67.97	$119.89	$502.97	$2,000.61

12 MOS ENDED 10/2007		November	December	January	February	March	April	Winter Nov-Apr	May	June	July	August	September	October	Summer May-Oct	Total Nov-Oct
Typical Usage:		109	150	187	188	166	132	932	90	55	30	30	42	71	318	1,250
Residentail Heating																
Winter:																
Cust. Chg	$ 9.50	$ 9.50	$ 9.50	$ 9.50	$ 9.50	$ 9.50	$ 9.50	$57.00								
First 50 therms @	$ 0.4102	$20.51	$20.51	$20.51	$20.51	$20.51	$20.51	$123.06								
Exces 50 therms @	$ 0.2990	$17.64	$29.90	$40.96	$41.26	$34.68	$24.52	$188.96								
Summer:																
Cust. Chg	$ 9.50								$9.50	$9.50	$9.50	$9.50	$9.50	$9.50	$57.00	$114.00
First 50 therms @	$ 0.4102								$20.51	$20.51	$12.31	$12.31	$17.23	$20.51	$103.38	$226.44
Exces 50 therms @	$ 0.2990								$11.96	$1.50	$0.00	$0.00	$0.00	$6.28	$19.74	$208.70
Total Base Rate Amount		$47.65	$59.91	$70.97	$71.27	$64.69	$54.53	$369.02	$41.97	$31.51	$21.81	$21.81	$26.73	$36.29	$180.12	$549.14
CGA Rates - (Seasonal)		$1.2984	$1.3259	$1.1629	$1.2859	$1.5581	$1.5581		$0.8805	$0.8805	$0.8805	$0.8805	$0.8805	$0.8805		
LDAC		$0.0261	$0.0261	$0.0261	$0.0261	$0.0261	$0.0261		$0.0261	$0.0261	$0.0261	$0.0261	$0.0261	$0.0261		
Total CGA and LDAC Amount		$144.37	$202.80	$222.34	$246.66	$262.98	$209.11	$1,288.26	$81.59	$49.86	$27.20	$27.20	$38.08	$64.37	$288.30	$1,576.56
Total Bill		$192.02	$262.71	$293.31	$317.93	$327.67	$263.64	$1,657.28	$123.56	$81.37	$49.01	$49.01	$64.81	$100.66	$468.42	$2,125.70
DIFFERENCE																
Total Bill		$1.44	$6.10	($22.87)	$36.31	$77.24	$61.42	$159.64	($11.88)	($0.14)	($0.07)	($0.07)	($3.16)	($19.23)	($34.55)	$125.09
% Change								10.66%							-6.87%	6.25%

NORTHERN UTILITIES, INC.
NEW HAMPSHIRE DIVISION
Forecasted May 2007 vs. 2006 Summer Period

Residential Heating

Weighted Average

	Summer 2006	Summer 2007
Customer Charge	$9.50	$9.50
First 50 Therms	$0.4102	$0.4102
Excess 50 Therms	$0.2990	$0.2990
LDAC	$0.0282	$0.0261
CGA	$0.8774	$0.8805
Total Adjustment	$0.9056	$0.9066

	Summer 2006 CGA @ $0.9056	Summer 2007 CGA @ $0.9066	Total $ Impact	Total % Impact	Base Rate $ Impact	Base Rate % Impact	CGA $ Impact	CGA % Impact	LDAC $ Impact	LDAC % Impact
			$0.00	0%						
5	$16.08	$16.08	$0.00	0%	($0.00)	0%	$0.02	0%	($0.01)	0%
10	$22.66	$22.68	$0.02	0%	$0.01	0%	$0.03	0%	($0.02)	0%
20	$35.82	$35.84	$0.02	0%	$0.00	0%	$0.06	0%	($0.04)	0%
30	$48.98	$49.00	$0.02	0%	($0.01)	0%	$0.09	0%	($0.06)	0%
45	$68.71	$68.76	$0.05	0%	$0.01	0%	$0.14	0%	($0.09)	0%
50	$75.29	$75.34	$0.05	0%	$0.00	0%	$0.15	0%	($0.11)	0%
75	$105.41	$105.48	$0.07	0%	($0.00)	0%	$0.23	0%	($0.16)	0%
125	$165.64	$165.76	$0.12	0%	$0.00	0%	$0.38	0%	($0.26)	0%
150	$195.76	$195.90	$0.14	0%	($0.00)	0%	$0.46	0%	($0.32)	0%
200	$255.99	$256.18	$0.19	0%	($0.00)	0%	$0.61	0%	($0.42)	0%

NISOURCE WINTER PRICE MODEL
As of January 29, 2007

The following incorporates the natural gas market for the winter months (May & Oct – Apr) as specified on a rolling basis. The data is broken down into two time periods and adjusted into today's dollar using the Producer Price Index as published by the U.S. Department of Labor.

The two time periods are as follows:

Rolling Long Term / 4 Year -

March 2003 through April 2003
May 2003 & October 2003 through April 2004
May 2004 & October 2004 through April 2005
May 2005 & October 2005 through April 2006
May 2006 & October 2006, Nov 2006 – Feb 2007

Short Term / 1 Year -

March 2006 through April 2006
May 2006 & October 2006 through Feb 2007

Adjusted Quadrant:	
4th Quadrant	8.02 – 14.43
3rd Quadrant	7.22 – 8.02
2nd Quadrant	6.41 – 7.22
1st Quadrant	4.22 – 6.41
Mean	7.63
Median	7.22

Northern Utilities Inc.
Price Risk Management
Profit and Loss Statement
Jan-07

Account #966 - 44168

Current

ACB	$3,522,957.99
TE	$2,604,727.99
LV	$2,604,727.99

Date	Prv Trans		Hedge No.	Trade Ticket	Contracts	Entry Price	Exit Price	Profit and Loss	ME Profit and Loss	NH Profit and Loss
/-Reach profit and loss total for all trades closed with this month's activity										
		Sell								
01/29/07	a	Sell Feb 7 Futures			-3	$6.860	$7.330	($14,100.00)	($7,050.00)	($7,050.00)
01/29/07	b	Sell Feb 7 Futures			-3	$6.880	$7.330	($13,500.00)	($6,750.00)	($6,750.00)
01/29/07	c	Sell Feb 7 Futures			-7	$6.910	$7.330	($29,400.00)	($14,700.00)	($14,700.00)
01/29/07	d	Sell Feb 7 Futures			-3	$6.920	$7.330	($12,300.00)	($6,150.00)	($6,150.00)
							$0.000	$0.00	$0.00	$0.00
01/03/07		Bot May 7 Futures			5	$6.625	$0.000	$0.00	$0.00	$0.00
01/29/07		Bot May 7 Futures			1	$7.375	$0.000	$0.00	$0.00	$0.00
01/29/07		Bot Oct 7 Futures			2	$7.820	$0.000	$0.00	$0.00	$0.00
01/29/07		Bot Nov 7 Futures			1	$8.330	$0.000	$0.00	$0.00	$0.00
01/29/07		Bot Dec 7 Futures			2	$8.860	$0.000	$0.00	$0.00	$0.00
01/29/07		Bot Jan 8 Futures			1	$9.130	$0.000	$0.00	$0.00	$0.00
01/29/07		Bot Feb 8 Futures			2	$9.125	$0.000	$0.00	$0.00	$0.00
01/29/07		Bot Mar 8 Futures			1	$8.900	$0.000	$0.00	$0.00	$0.00
01/29/07		Bot Apr 8 Futures			3	$7.610	$0.000	$0.00	$0.00	$0.00
							$0.000	$0.00	$0.00	$0.00
							$0.000	$0.00	$0.00	$0.00
End of Month							$0.000	$0.00	$0.00	$0.00
09/28/05	e	Bot Feb7 Futures	05-01	05-09-41	1	$11.550	$7.330	($42,200.00)	($21,100.00)	($21,100.00)
10/27/05	f	Bot Feb7 Futures	05-01	05-10-32	1	$11.700	$7.330	($43,700.00)	($21,850.00)	($21,850.00)
11/28/05	g	Bot Feb7 Futures	05-01	05-11-45	1	$11.510	$7.330	($41,800.00)	($20,900.00)	($20,900.00)
12/28/05	h	Bot Feb7 Futures	05-01	05-12-19	1	$11.490	$7.330	($41,600.00)	($20,800.00)	($20,800.00)
01/27/06	i	Bot Feb7 Futures	06-01	06-01-12	2	$11.720	$7.330	($87,800.00)	($43,900.00)	($43,900.00)
02/24/06	j	Bot Feb7 Futures	06-01	06-02-7	1	$10.800	$7.330	($34,700.00)	($17,350.00)	($17,350.00)
03/29/06	k	Bot Feb7 Futures			1	$11.010	$7.330	($36,800.00)	($18,400.00)	($18,400.00)
04/26/06	l	Bot Feb7 Futures			2	$11.950	$7.330	($92,400.00)	($46,200.00)	($46,200.00)
05/26/06	m	Bot Feb7 Futures			1	$10.100	$7.330	($27,700.00)	($13,850.00)	($13,850.00)
06/28/06	n	Bot Feb7 Futures			2	$10.460	$7.330	($62,600.00)	($31,300.00)	($31,300.00)
07/27/06	o	Bot Feb7 Futures			2	$10.880	$7.330	($71,000.00)	($35,500.00)	($35,500.00)
08/29/06	p	Bot Feb7 Futures			1	$10.850	$7.330	($35,200.00)	($17,600.00)	($17,600.00)
		Net P&L						($686,800.00)	($343,400.00)	($343,400.00)

CTION COSTS-New activity

Transaction Cost-Futures	34	$13.37	($454.58)	($454.58)	($454.58)	($454.58)
Transaction Cost-Futures Globex	0	$11.47	$0.00	$0.00	$0.00	$0.00
Transaction Cost-Enter Options	0	$23.37	$0.00		$0.00	$0.00
Transaction Cost-Exit Options	0	$3.37	$0.00		$0.00	$0.00
Transaction Cost-Assnd/Exer	0	$11.37	$0.00		$0.00	$0.00
Total New Transaction Costs			($454.58)		($454.58)	($454.58)

MARGIN CASH BALANCE			**Subtotal**	**Total**		
01/02/07	**Beginning Balance-carried forward from last month**			$4,205,482.93	$2,102,741.47	$2,102,741.47
	Interest Credit (for Dec06)		$4,729.64		$2,364.82	$2,364.82
	Deposit to Margin Account		$0.00		$0.00	$0.00
	Option Premiums of new activity and closed open option positions	$0.00				
		$0.00				
	Monthly Option Premium		$0.00		$0.00	$0.00
01/31/07	Monthly Net P&L		($686,800.00)		($343,400.00)	($343,400.00)
01/31/07	Monthly Transaction Costs		($454.58)		($227.29)	($227.29)
01/31/07	*Total Monthly Cash Adjustment*			($682,524.94)	($341,262.47)	($341,262.47)
01/31/07	***Ending Balance***	***ACB***		**$3,522,957.99**	**$1,761,479.00**	**$1,761,479.00**

OPEN FUTURES POSITIONS-Total Trade Equity

		Hedge No.	Trade Ticket	QTY	Entry Price	1/31/2007 Price	Profit and Loss	ME %	ME Profit and Loss	NH Profit and Loss
09/28/05	Bot Mar7 Futures	05-01	05-09-41	1	$11.280	$7.667	($36,130.00)		($18,065.00)	($18,065.00)
10/27/05	Bot Mar7 Futures	05-01	05-10-32	1	$11.400	$7.667	($37,330.00)		($18,665.00)	($18,665.00)
11/28/05	Bot Mar7 Futures	05-01	05-11-45	1	$11.205	$7.667	($35,380.00)		($17,690.00)	($17,690.00)
12/28/05	Bot Mar7 Futures	05-01	05-12-19	1	$11.250	$7.667	($35,830.00)		($17,915.00)	($17,915.00)
01/27/06	Bot Mar7 Futures	06-01	06-01-12	1	$11.570	$7.667	($39,030.00)		($19,515.00)	($19,515.00)
02/24/06	Bot Mar7 Futures	06-01	06-02-7	1	$10.600	$7.667	($29,330.00)		($14,665.00)	($14,665.00)
03/29/06	Bot Mar7 Futures			1	$10.810	$7.667	($31,430.00)		($15,715.00)	($15,715.00)
04/26/06	Bot Mar7 Futures			1	$11.750	$7.667	($40,830.00)		($20,415.00)	($20,415.00)
05/26/06	Bot Mar7 Futures			2	$9.950	$7.667	($45,660.00)		($22,830.00)	($22,830.00)
9/06	Bot Mar7 Futures			1	$10.280	$7.667	($26,130.00)		($13,065.00)	($13,065.00)
/06	Bot Mar7 Futures			1	$10.660	$7.667	($29,930.00)		($14,965.00)	($14,965.00)
9/06	Bot Mar7 Futures			1	$10.650	$7.667	($29,830.00)		($14,915.00)	($14,915.00)
09/28/05	Bot Apr7 Futures	05-01	05-09-41	3	$9.330	$7.655	($50,250.00)		($25,125.00)	($25,125.00)
10/27/05	Bot Apr7 Futures	05-01	05-10-32	3	$9.150	$7.655	($44,850.00)		($22,425.00)	($22,425.00)
11/28/05	Bot Apr7 Futures	05-01	05-11-45	2	$8.995	$7.655	($26,800.00)		($13,400.00)	($13,400.00)
12/28/05	Bot Apr7 Futures	05-01	05-12-19	2	$9.310	$7.655	($33,100.00)		($16,550.00)	($16,550.00)
01/27/06	Bot Apr7 Futures	06-01	06-01-12	3	$9.700	$7.655	($61,350.00)		($30,675.00)	($30,675.00)
02/24/06	Bot Apr7 Futures	06-01	06-02-7	3	$8.780	$7.655	($33,750.00)		($16,875.00)	($16,875.00)
03/29/06	Bot Apr7 Futures			3	$9.200	$7.655	($46,350.00)		($23,175.00)	($23,175.00)
04/26/06	Bot Apr7 Futures			2	$9.770	$7.655	($42,300.00)		($21,150.00)	($21,150.00)
05/26/06	Bot Apr7 Futures			2	$8.350	$7.655	($13,900.00)		($6,950.00)	($6,950.00)
06/09/06	Bot Apr7 Futures			6	$8.100	$7.655	($26,700.00)		($13,350.00)	($13,350.00)

06/28/06	Bot Apr7 Futures	2	$8.380	$7.655	($14,500.00)			($7,250.00)	($7,250.00)
07/27/06	Bot Apr7 Futures	2	$8.620	$7.655	($19,300.00)			($9,650.00)	($9,650.00)
08/29/06	Bot Apr7 Futures	2	$8.500	$7.655	($16,900.00)			($8,450.00)	($8,450.00)
03/29/06	Bot May7 Futures	1	$8.980	$7.405	($15,750.00)		43.03%	($6,777.23)	($8,972.78)
04/26/06	Bot May7 Futures	1	$9.580	$7.405	($21,750.00)		43.03%	($9,359.03)	($12,390.98)
05/26/06	Bot May7 Futures	1	$8.200	$7.405	($7,950.00)		43.03%	($3,420.89)	($4,529.11)
06/09/06	Bot May7 Futures	5	$7.930	$7.405	($26,250.00)		43.03%	($11,295.38)	($14,954.63)
06/28/06	Bot May7 Futures	1	$8.190	$7.405	($7,850.00)		43.03%	($3,377.86)	($4,472.15)
07/27/06	Bot May7 Futures	2	$8.470	$7.405	($21,300.00)		43.03%	($9,165.39)	($12,134.61)
[illegible]29/06	Bot May7 Futures	2	$8.400	$7.405	($19,900.00)		43.03%	($8,562.97)	($11,337.03)
[illegible]7/06	Bot May7 Futures	2	$7.110	$7.405	$5,900.00		43.03%	$2,538.77	$3,361.23
[illegible]7/06	Bot May7 Futures	1	$7.710	$7.405	($3,050.00)		43.03%	($1,312.42)	($1,737.59)
[illegible]1/28/06	Bot May7 Futures	2	$8.070	$7.405	($13,300.00)		43.03%	($5,722.99)	($7,577.01)
12/27/06	Bot May 7 Futures	2	$6.490	$7.405	$18,300.00		43.03%	$7,874.49	$10,425.51
01/03/07	Bot May 7 Futures	5	$6.625	$7.405	$39,000.00		43.03%	$16,781.70	$22,218.30
01/29/07	Bot May 7 Futures	1	$7.375	$7.405	$300.00		43.03%	$129.09	$170.91
03/29/06	Bot Oct7 Futures	2	$9.270	$7.860	($28,200.00)		42.54%	($11,996.28)	($16,203.72)
04/26/06	Bot Oct7 Futures	2	$9.960	$7.860	($42,000.00)		42.54%	($17,866.80)	($24,133.20)
05/26/06	Bot Oct7 Futures	1	$8.900	$7.860	($10,400.00)		42.54%	($4,424.16)	($5,975.84)
06/28/06	Bot Oct7 Futures	2	$8.767	$7.860	($18,140.00)		42.54%	($7,716.76)	($10,423.24)
07/27/06	Bot Oct7 Futures	2	$9.000	$7.860	($22,800.00)		42.54%	($9,699.12)	($13,100.88)
08/29/06	Bot Oct7 Futures	2	$8.980	$7.860	($22,400.00)		42.54%	($9,528.96)	($12,871.04)
09/14/06	Bot Oct7 Futures	7	$8.030	$7.860	($11,900.00)		42.54%	($5,062.26)	($6,837.74)
09/27/06	Bot Oct7 Futures	2	$7.520	$7.860	$6,800.00		42.54%	$2,892.72	$3,907.28
10/27/06	Bot Oct7 Futures	2	$8.070	$7.860	($4,200.00)		42.54%	($1,786.68)	($2,413.32)
11/28/06	Bot Oct7 Futures	2	$8.430	$7.860	($11,400.00)		42.54%	($4,849.56)	($6,550.44)
12/27/06	Bot Oct 7 Futures	2	$7.050	$7.860	$16,200.00		42.54%	$6,891.48	$9,308.52
01/29/07	Bot Oct 7 Futures	2	$7.820	$7.860	$800.00		42.54%	$340.32	$459.68 ($126,763.86)
09/25/06	Bot Nov7 Futures	3	$7.960	$8.566	$18,180.00			$9,090.00	$9,090.00
09/27/06	Bot Nov7 Futures	1	$8.060	$8.566	$5,060.00			$2,530.00	$2,530.00
10/27/06	Bot Nov7 Futures	1	$8.470	$8.566	$960.00			$480.00	$480.00
11/28/06	Bot Nov7 Futures	1	$8.877	$8.566	($3,110.00)			($1,555.00)	($1,555.00)
12/27/06	Bot Nov 7 Futures	1	$7.730	$8.566	$8,360.00			$4,180.00	$4,180.00
01/29/07	Bot Nov 7 Futures	1	$8.330	$8.566	$2,360.00			$1,180.00	$1,180.00
09/25/06	Bot Dec7 Futures	4	$8.410	$9.016	$24,240.00			$12,120.00	$12,120.00
09/27/06	Bot Dec7 Futures	2	$8.575	$9.016	$8,820.00			$4,410.00	$4,410.00
10/27/06	Bot Dec7 Futures	2	$8.940	$9.016	$1,520.00			$760.00	$760.00
11/28/06	Bot Dec7 Futures	2	$9.317	$9.016	($6,020.00)			($3,010.00)	($3,010.00)
12/27/06	Bot Dec 7 Futures	2	$8.325	$9.016	$13,820.00			$6,910.00	$6,910.00
01/29/07	Bot Dec 7 Futures	2	$8.860	$9.016	$3,120.00			$1,560.00	$1,560.00
09/27/06	Bot Jan8 Futures	1	$8.940	$9.291	$3,510.00			$1,755.00	$1,755.00
10/27/06	Bot Jan8 Futures	2	$9.195	$9.291	$1,920.00			$960.00	$960.00
11/28/06	Bot Jan8 Futures	2	$9.547	$9.291	($5,120.00)			($2,560.00)	($2,560.00)
12/27/06	Bot Jan 8 Futures	2	$8.620	$9.291	$13,420.00			$6,710.00	$6,710.00
01/29/07	Bot Jan 8 Futures	1	$9.130	$9.291	$1,610.00			$805.00	$805.00
09/27/06	Bot Feb8 Futures	1	$8.940	$9.276	$3,360.00			$1,680.00	$1,680.00
10/27/06	Bot Feb8 Futures	1	$9.190	$9.276	$860.00			$430.00	$430.00
11/28/06	Bot Feb8 Futures	1	$9.542	$9.276	($2,660.00)			($1,330.00)	($1,330.00)
12/27/06	Bot Feb 8 Futures	1	$8.630	$9.276	$6,460.00			$3,230.00	$3,230.00
01/29/07	Bot Feb 8 Futures	2	$9.125	$9.276	$3,020.00			$1,510.00	$1,510.00
09/27/06	Bot Mar8 Futures	1	$8.705	$9.046	$3,410.00			$1,705.00	$1,705.00
10/27/06	Bot Mar8 Futures	1	$8.975	$9.046	$710.00			$355.00	$355.00
11/28/06	Bot Mar8 Futures	1	$9.327	$9.046	($2,810.00)			($1,405.00)	($1,405.00)
12/27/06	Bot Mar 8 Futures	1	$8.430	$9.046	$6,160.00			$3,080.00	$3,080.00
[illegible]7/06	Bot Mar 8 Futures	3	$8.440	$9.046	$18,180.00			$9,090.00	$9,090.00
[illegible]9/07	Bot Mar 8 Futures	1	$8.900	$9.046	$1,460.00			$730.00	$730.00
[illegible]5/06	Bot Apr8 Futures	6	$7.250	$7.596	$20,760.00			$10,380.00	$10,380.00
09/27/06	Bot Apr8 Futures	3	$7.255	$7.596	$10,230.00			$5,115.00	$5,115.00
10/27/06	Bot Apr8 Futures	3	$7.815	$7.596	($6,570.00)			($3,285.00)	($3,285.00)
11/28/06	Bot Apr8 Futures	2	$8.067	$7.596	($9,420.00)			($4,710.00)	($4,710.00)
12/27/06	Bot Apr 8 Futures	2	$7.370	$7.596	$4,520.00			$2,260.00	$2,260.00
01/29/07	Bot Apr 8 Futures	3	$7.610	$7.596	($420.00)			($210.00)	($210.00)
01/31/07	*Net Futures Open Trade Equity*	165				($918,230.00)		($442,971.14)	($475,258.86)
01/31/07	***Total Trade Equity***				***TE***	**$2,604,727.99**		**$1,318,507.86**	**$1,286,220.13**

OPEN OPTIONS POSITIONS-Net Liquidating Value

		Hedge No.	Trade Ticket	QTY	Entry Price	1/31/2007 Price	Profit and Loss			ME	NH
01/31/07	Current Option Premium reversal							$0.00		$0.00	$0.00
	No Open Options						$0.00				
							$0.00				
01/31/07	*Net Options Liquidating Value*			0				$0.00		$0.00	$0.00
	Previous Option Premium										
				0	$0.000		$0.00				
				0	$0.000		$0.00				
01/31/07	*Net Previous Option Premium*							$0.00		$0.00	$0.00
01/31/07	***Net Liquidating Value***						***LV***	**$2,604,727.99**		**$1,318,507.86**	**$1,286,220.13**

Northern Utilities, Inc - New Hampshire Division
Comparison of Annual Costs --- Straight 2-Season / MBA vs. SMBA
May 2007 through April 2008 Forecast

Allocated Commodity Costs-New Hampshire

	Straight 2-Season / MBA				SMBA				Difference		
	Winter	Summer	Total	%	Winter	Summer	Total	%	Winter	Summer	Total
Maine	$27,574,465	$6,522,256	$34,096,721	**46.1%**	$27,574,509	$6,534,370	$34,108,879	**46.1%**	$44	$12,114	$12,158
NH	$30,730,101	$9,121,954	$39,852,055	**53.9%**	$30,730,052	$9,139,080	$39,869,132	**53.9%**	($49)	$17,126	$17,077
Total	$58,304,566	$15,644,210	$73,948,776		$58,304,561	$15,673,450	$73,978,011		($5)	$29,240	$29,235

Allocated Demand Costs

	Straight 2-Season				SMBA				Difference		
NEW HAMPSHIRE	Winter	Summer	Total		Winter	Summer	Total		Winter	Summer	Total
Direct Costs	$9,764,044	$3,615,023	$13,379,067		$12,288,837	$1,090,218	$13,379,055		$2,524,793	($2,524,805)	($12)
Summer Deferred	$1,942,423	($1,942,423)	$0		$0	$0	$0		($1,942,423)	$1,942,423	$0
Capacity Release		$0	$0		$0	$0	$0		$0	$0	$0
SUBTOTAL	$11,706,467	$1,672,600	$13,379,067	**50.46%**	$12,288,837	$1,090,218	$13,379,055	**50.46%**	$582,370	($582,382)	($12)
Total Northern Allocated Demand Costs			$26,514,064				$26,514,064				
Non-allocated:											
Miscellaneous Overhead	$95,460	$28,837	$124,297		$95,460	$28,837	$124,297		$0	$0	$0
Production & Storage	$686,673	$0	$686,673		$686,673	$0	$686,673		$0	$0	$0
Total Non-allocated	$782,133	$28,837	$810,970		$782,133	$28,837	$810,970		$0	$0	$0
Total N.H.	**$12,488,600**	**$1,701,437**	**$14,190,037**		**$13,070,970**	**$1,119,055**	**$14,190,025**		**$582,370**	**($582,382)**	**($12)**

CALCULATION OF COST OF GAS ADJUSTMENT
Period Covered: May 1, 2005 - October 31, 2005
Anticipated Cost of Delivered and Produced Gas

Delivered:	Therms	Rate	Amount
Product: - Commodity			
GSGT: DEM	1,101,392	$ 0.7170	$ 789,732
GSGT: Supply via Iroquois	6,023,484	$ 0.8137	$ 4,901,512
GSGT: Progas	0	#DIV/0!	$ -
NEGM	1,203,650	$ 0.8617	$ 1,037,209
Canadian	646,654	$ 0.7547	$ 488,045
Domestic	2,201,545	$ 0.8467	$ 1,863,976
LNG Boil-off/Production	48,061	$ 0.8631	$ 41,479
Hedging Gain/Loss			$ 126,764
Product: - Demand			
GSGT: DEM	1,039,884	$ -	$ -
GSGT: Shell via Iroquois	6,028,543	$ -	$ -
Boundary	2,167,973	$ -	$ -
Canadian	899,686	$ -	$ -
Domac	0	$ -	$ -
Duke Peaking	0	$ -	$ -
Pipeline Reservation			
Granite State	1,797,282	$ 0.1264	$ 227,158
Texas Gas Transmission	0	$ -	$ -
Transcontinental Pipe Line	8,659	$ -	$ 2,510
National Fuel Gas Supply	0	$ -	$ -
CNG Transmission	0	$ -	$ -
Texas Eastern Transmission	31,003	$ 0.6150	$ 19,067
Iroquois Gas Trans	365,524	$ 0.8974	$ 328,010
Tennessee	694,323	$ -	$ 819,259
Algonquin	165,368	$ 0.6082	$ 100,585
PNGTS	365,524	$ 0.2356	$ 86,104
Trans Canada Pipeline	31,003	$ -	$ 89,905
		Total Anticipated Cost of Gas	$ 10,921,318

For Comparative Purposes Only!

11,224,787

Calculation of Anticipated Indirect Cost of Gas

Working Capital Calculation

Total Anticipated Direct Cost of Gas	$	10,921,318
Summer Deferred	$	-
Total Direct Cost of Gas (including Deferred)	$	10,921,318
Total Direct Ges Costs-including Summer Deferred	$	10,921,318
Working Capital Percentage (NHPUC No. 10 Section 4.06.1)		0.19%
Working Capital	$	20,751
plus: Working Capital Reconciliation	$	1,070
Total Working Capital Allowance	$	21,820

Bad Debt Calculation

Total Anticipated Direct Cost of Gas	$	10,921,318
plus: Total Working Capital	$	21,820
	$	10,943,138
Bad Debt Percentage (NHPUC No. 10 Section 4.06.1)		0.45%
Total Bad Debt Allowance	$	49,244
plus: Bad Debt Reconciliation	$	(63)
Total Bad Debt Allowance	$	49,181

Working Capital Allowance	$	21,820
Bad Debt Allowance	$	49,181
Miscellaneous Overhead ($124,297-$97,234) Allocated to Summer Season	$	28,427
Production and Storage Capacity	$	
Prior Period Over Collection	$	(633,021)
Deferral of Jurisdictional Demand Costs--Summer 2004*	$	-
Interest	$	(18,580)
Total Anticipated Indirect Cost of Gas	$	(552,173)
Total Anticipated Direct Cost of Gas	$	10,921,318
Total Anticipated Period Cost of Gas	$	10,369,145

Total Anticipated Indirect Cost of Gas Rate	$	**(0.0501)**
Total Anticipated Direct Cost of Gas-Commodity	$	**0.8385**
Total Anticipated Direct Cost of Gas-Demand	$	**0.1516**
Total Anticipated Cost of Gas Adjustment	$	**0.9401**

Forecested May 2007 - October 2007 Therms 11,029,620

Forecasted Residential Summer Season Cost of Gas Rate

Minimum	$	**0.7521**
Maximum	$	**1.1281**

COGsrCommodity	$	**0.8385 / therm**
COGsrDemand	$	**0.1516 / therm**
COGsrIndirect	$	**(0.0501) / therm**
COGsr	$	**0.9401 / therm**

Forecasted C & I Summer Season Low Winter Cost of Gas Rate

Minimum	$	**0.7507**
Maximum	$	**1.1261**

COGsi-Commodity	$	**0.8385 / therm**
COGsi-Demand	$	**0.1500 / therm**
COGsi-Indirect	$	**(0.0501) / therm**
COGsi-Total	$	**0.9384 / therm**

Low Winter Ratio	**0.98199**
Correction Factor (CF)	**1.0070**

Forecasted C & I Summer Season High Winter Cost of Gas Rate

Minimum	$	**0.7533**
Maximum	$	**1.1300**

COGsh-Commodity	$	**0.8385 / therm**
COGsh-Demand	$	**0.1532 / therm**
COGsh-Indirect	$	**(0.0501) / therm**
COGsh-Total	$	**0.9417 / therm**

High Winter Ratio	**1.00318**
Correction Factor (CF)	**1.0070**

For Comparative Purposes Only!

Northern Utilities
Natural Gas
A NiSource Company

300 Friberg Parkway
Westborough, MA 01581-5039
(508) 836.7000
Fax: (508) 836.7070

January 29, 2007

Ms. Debra Howland, Esq.
Executive Director and Secretary
State of New Hampshire
Public Utilities Commission
21 S. Fruit St., Suite 10
Concord, NH 03301

Re: Northern Utilities, Inc. – New Hampshire Division, 2006 Summer Period Cost of Gas (COG) Reconciliation

Dear Ms. Howland:

Attached are an original and eight copies of Northern Utilities' 2006 summer period COG reconciliation analysis. The objective of this analysis is to identify the causes of the summer period 2006 over-collection.

Form III, Schedules 1 through 5 of the filing forms, attached, contain the accounting of six months of gas costs and collections associated with the 2006 summer period. The schedules illustrate the Company's over-collection of $611,704 or 6.9% of recoverable costs. Schedule 1, page 1, provides the summary of the summer period ending balance. Schedule 2 shows the deferred gas cost activity, allowable costs and revenues for the period December 2005 through November 2006, including ($12,088) in net interest. Schedule 3, page 1, shows the summary of summer period gas cost collections, while Schedule 3, pages 2 through 8, illustrate the gas cost collections for each individual month. Schedule 4 shows the monthly detail of purchase gas costs allocated to the summer period. Schedule 5 presents the sendout by supplier and firm sales and transportation throughput in MMBtus for the summer period.

Attachment A presents the reconciliation of the working capital costs allowable based on direct gas costs. The over-collection of $2,238 will be reflected on Revised Page 39 of Northern's Tariff No. 10 as an amount to be passed-back through the COG rate.

Attachment B shows the reconciliation of the bad debt expense associated with gas costs, which is allowed as a percent (0.45%) of the period gas costs and working capital allowance on gas costs, pursuant to DG 01-182. The over-collection of $5,230 will also be reflected on Revised Page 39 of Northern's Tariff No. 10 as an amount to be passed-back through the COG rate.

Attachment C presents the firm sales variance analysis for the 2006 summer period. This schedule shows that weather normalized actual firm sales were 17,504 MMBtu or 1.76% lower than forecast.

Please do not hesitate to contact me if you have any questions regarding these reconciliation schedules.

Sincerely,

Ronald D. Gibbons
Manager, Regulatory Accounting

Attachments

cc: Kenneth Traum, Office of the Consumer Advocate
Stephen Frink
Joseph Ferro, Northern Utilities
Patricia French, Esq., NCS

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2006 SUMMER PERIOD RECONCILIATION
May 2006 - October 2006

	AMOUNT	
Summer Period Beg. Balance	($407,054)	SCHEDULE 2
Less: Reported Collections	($9,022,429)	SCHEDULE 2
Add: Cost of Firm Gas Allowable	$8,829,867	SCHEDULE 4
Add: Interest	($12,088)	SCHEDULE 2
Summer Period Ending Balance	($611,704)	

NORTHERN ES, INC. - NH Division
2006 SUMME OD RECONCILIATION
SCHEDULE 2: ADJUSTMENTS TO REPORTED SUMMER PERIOD ACCOUNTS
December 2005 - November 2006

	Dec-05	January 06	February	March	April	May	June	July	August	September	October	November	Total
JMMER PERIOD													
Summer Period Account Beginning Balance (1)	$ (407,054)	$ (409,259)	$ (411,646)	$ (414,047)	$ (416,463)	$ (419,066)	$ 229,694	$ (419,965)	$ (321,532)	$ 67,528	$ 128,129	$ 814,103	$ (407,054)
Plus: Cost of Firm Gas (Schedule 4)	$ -	$ -	$ -	$ -	$ -	$ 1,925,895	$ 1,233,370	$ 1,139,410	$ 1,327,451	$ 1,153,098	$ 2,045,305	$ 5,338	$ 8,829,867
Less: Reported Collections (Schedule 3)	$ -	$ -	$ -	$ -	$ -	$ (1,276,512)	$ (1,882,395)	$ (1,038,438)	$ (937,521)	$ (1,093,166)	$ (1,362,560)	$ (1,431,838)	$ (9,022,429)
Summer Period Account Ending Balance	$ (407,054)	$ (409,259)	$ (411,646)	$ (414,047)	$ (416,463)	$ 230,318	$ (419,331)	$ (318,992)	$ 68,398	$ 127,459	$ 810,875	$ (612,397)	$ (599,616)
Month's Average Balance	$ (407,054)	$ (409,259)	$ (411,646)	$ (414,047)	$ (416,463)	$ (94,374)	$ (94,819)	$ (369,478)	$ (126,567)	$ 97,493	$ 469,502	$ 100,853	
Interest Rate (Prime Rate)	6.50%	7.00%	7.00%	7.00%	7.50%	7.93%	8.02%	8.25%	8.25%	8.25%	8.25%	8.25%	
Interest Applied	$ (2,205)	$ (2,387)	$ (2,401)	$ (2,415)	$ (2,603)	$ (624)	$ (634)	$ (2,540)	$ (870)	$ 670	$ 3,228	$ 693	$ (12,088)
Case DG05-080 Settlement Adjustment											$ -		$ -
Summer Period Account Ending Balance w/interest	$ (409,259)	$ (411,646)	$ (414,047)	$ (416,463)	$ (419,066)	$ 229,694	$ (419,965)	$ (321,532)	$ 67,528	$ 128,129	$ 814,103	$ (611,704)	$ (611,704)

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2006 SUMMER PERIOD RECONCILIATION
SCHEDULE 3: REVENUE BACKUP TO REPORTED COLLECTIONS
May 2006 - October 2006

GAS COST RECOVERY FOR THE PERIOD OF : **May 2006 - October 2006**

	Res. Heat	Res. NH	G-40	G-41	G-42	G-50	G-51	G-52	FOSS	Total
Sales (therms)-May	725,828	23,457	278,527	317,324	90,808	139,186	309,120	98,392	355,300	2,337,942
Sales (therms)-June-July	1,077,129	59,629	302,411	404,690	390,116	431,840	746,039	416,475	0	3,828,330
Sales (therms)-September	1,304,536	42,754	489,900	569,543	131,953	273,880	530,831	173,600	0	3,516,996
Total	3,107,494	125,839	1,070,838	1,291,558	612,877	844,906	1,585,990	688,467	355,300	9,683,267
Demand/Commodity Rate-May	$ 1.0457	$ 1.0457	$ 1.0472	$ 1.0472	$ 1.0472	$ 1.0441	$ 1.0441	$ 1.0441	$ 1.0441	
Demand/Commodity Rate-June-July	$ 0.9162	$ 0.9162	$ 0.9178	$ 0.9178	$ 0.9178	$ 0.9146	$ 0.9146	$ 0.9146	$ 0.9146	
Demand/Commodity Rate-September	$ 0.9891	$ 0.9891	$ 0.9907	$ 0.9907	$ 0.9907	$ 0.9875	$ 0.9875	$ 0.9875	$ 0.9875	
Demand/Commodity Rate-October	$ 1.1846	$ 1.1846	$ 1.2439	$ 1.2439	$ 1.2439	$ 1.0997	$ 1.0997	$ 1.0997	$ 1.0997	
Prior Period Reconciliation	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	
Working Capital Allowance	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	
Bad Debt Allowance	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	
Total Billed Sales Rate-May	$ 1.0104	$ 1.0104	$ 1.0119	$ 1.0119	$ 1.0119	$ 1.0088	$ 1.0088	$ 1.0088	$ 1.0088	
Total Billed Sales Rate-June-July	$ 0.8809	$ 0.8809	$ 0.8825	$ 0.8825	$ 0.8825	$ 0.8793	$ 0.8793	$ 0.8793	$ 0.8793	
Total Billed Sales Rate-September	$ 0.9538	$ 0.9538	$ 0.9554	$ 0.9554	$ 0.9554	$ 0.9522	$ 0.9522	$ 0.9522	$ 0.9522	
Total Billed Sales Rate-October	$ 1.1493	$ 1.1493	$ 1.2086	$ 1.2086	$ 1.2086	$ 1.0644	$ 1.0644	$ 1.0644	$ 1.0644	
Demand/Commodity Collections-May	$ 758,998	$ 24,529	$ 291,674	$ 332,302	$ 95,094	$ 145,324	$ 322,752	$ 102,731	$ 370,969	$ 2,444,372
Demand/Commodity Collections-June-July	$ 986,866	$ 54,632	$ 277,553	$ 371,425	$ 358,049	$ 394,961	$ 682,327	$ 380,908	$ -	$ 3,506,720
Demand/Commodity Collections-September	$ 1,290,317	$ 42,288	$ 485,344	$ 564,246	$ 130,725	$ 270,456	$ 524,195	$ 171,430	$ -	$ 3,479,002
Prior Period Reconciliation	$ (130,825)	$ (5,298)	$ (45,082)	$ (54,375)	$ (25,802)	$ (35,571)	$ (66,770)	$ (28,984)	$ (14,958)	$ (407,666)
Working Capital Allowance	$ 6,526	$ 264	$ 2,249	$ 2,712	$ 1,287	$ 1,774	$ 3,331	$ 1,446	$ 746	$ 20,335
Bad Debt Allowance	$ 14,605	$ 591	$ 5,033	$ 6,070	$ 2,881	$ 3,971	$ 7,454	$ 3,236	$ 1,670	$ 45,511
Total Billed Sales Rate-May	$ 733,377	$ 23,701	$ 281,842	$ 321,100	$ 91,888	$ 140,411	$ 311,840	$ 99,257	$ 358,427	$ 2,361,843
Total Billed Sales Rate-June-July	$ 948,843	$ 52,527	$ 266,878	$ 357,139	$ 344,278	$ 379,717	$ 655,992	$ 366,206	$ -	$ 3,371,580
Total Billed Sales Rate-September	$ 1,244,267	$ 40,779	$ 468,050	$ 544,142	$ 126,068	$ 260,788	$ 505,457	$ 165,302	$ -	$ 3,354,852
Check	$ 2,926,487	$ 117,006	$ 1,016,770	$ 1,222,381	$ 562,234	$ 780,916	$ 1,473,289	$ 630,766	$ 358,427	$ -
Check	$ 2,926,487	$ 117,006	$ 1,016,770	$ 1,222,381	$ 562,234	$ 780,916	$ 1,473,289	$ 630,766	$ 358,427	$ 9,088,275
	$ 2,926,487	$ 117,006	$ 1,016,770	$ 1,222,381	$ 562,234	$ 780,916	$ 1,473,289	$ 630,766	$ 358,427	$ 9,088,275

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2006 SUMMER PERIOD RECONCILIATION
SCHEDULE 3: REVENUE BACKUP TO REPORTED COLLECTIONS
May 2006 - October 2006

GAS COST RECOVERY FOR THE MONTH OF : **May-06** **Prorated**

	Res. Heat	Res. NH	G-40	G-41	G-42	G-50	G-51	G-52	FOSS	Total
Sales (therms)	219,272	6,382	114,625	192,707	80,807	42,499	169,319	91,492	355,300	1,272,403
Demand/Commodity Rate	$ 1.0457	$ 1.0457	$ 1.0472	$ 1.0472	$ 1.0472	$ 1.0441	$ 1.0441	$ 1.0441	$ 1.0441	
Prior Period Reconciliation	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	
Working Capital Allowance	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	
Bad Debt Allowance	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	
Total Billed Sales Rate	$ 1.0104	$ 1.0104	$ 1.0119	$ 1.0119	$ 1.0119	$ 1.0088	$ 1.0088	$ 1.0088	$ 1.0088	
Demand/Commodity Collections	$ 229,293	$ 6,673	$ 120,035	$ 201,803	$ 84,621	$ 44,373	$ 176,786	$ 95,526	$ 370,969	$ 1,330,080
Prior Period Reconciliation	$ (9,231)	$ (269)	$ (4,826)	$ (8,113)	$ (3,402)	$ (1,789)	$ (7,128)	$ (3,852)	$ (14,958)	$ (53,568)
Working Capital Allowance	$ 460	$ 13	$ 241	$ 405	$ 170	$ 89	$ 356	$ 192	$ 746	$ 2,672
Bad Debt Allowance	$ 1,031	$ 30	$ 539	$ 906	$ 380	$ 200	$ 796	$ 430	$ 1,670	$ 5,980
Total Summer COG Revenues	$ 221,553	$ 6,448	$ 115,989	$ 195,001	$ 81,769	$ 42,872	$ 170,809	$ 92,297	$ 358,427	$ 1,285,164
Check	221,553	6,448	115,989	195,001	81,769	42,872	170,809	92,297	358,427	1,285,164

GAS COST RECOVERY FOR THE MONTH OF : **6/1/2006 (old)**

	Res. Heat	Res. NH	G-40	G-41	G-42	G-50	G-51	G-52	FOSS	Total
Sales (therms)	506,556	17,075	163,903	124,617	10,001	96,688	139,801	6,900	0	1,065,539
Demand/Commodity Rate	$ 1.0457	$ 1.0457	$ 1.0472	$ 1.0472	$ 1.0472	$ 1.0441	$ 1.0441	$ 1.0441	$ 1.0441	
Prior Period Reconciliation	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	
Working Capital Allowance	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	
Bad Debt Allowance	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	
Total Billed Sales Rate	$ 1.0104	$ 1.0104	$ 1.0119	$ 1.0119	$ 1.0119	$ 1.0088	$ 1.0088	$ 1.0088	$ 1.0088	
Demand/Commodity Collections	$ 529,705	$ 17,855	$ 171,639	$ 130,499	$ 10,473	$ 100,952	$ 145,966	$ 7,204	$ -	$ 1,114,292
Prior Period Reconciliation	$ (21,326)	$ (719)	$ (6,900)	$ (5,246)	$ (421)	$ (4,071)	$ (5,886)	$ (290)	$ -	$ (44,859)
Working Capital Allowance	$ 1,064	$ 36	$ 344	$ 262	$ 21	$ 203	$ 294	$ 14	$ -	$ 2,238
Bad Debt Allowance	$ 2,381	$ 80	$ 770	$ 586	$ 47	$ 454	$ 657	$ 32	$ -	$ 5,008
Total Summer COG Revenues	$ 511,824	$ 17,253	$ 165,853	$ 126,100	$ 10,120	$ 97,539	$ 141,031	$ 6,961	$ -	$ 1,076,679
Check	511,824	17,253	165,853	126,100	10,120	97,539	141,031	6,961	-	1,076,679

GAS COST RECOVERY FOR THE MONTH OF : **6/1/2006 (new)**

	Res. Heat	Res. NH	G-40	G-41	G-42	G-50	G-51	G-52	FOSS	Total
Sales (therms)	161,275	7,334	52,663	104,052	26,676	44,497	132,727	242,213	159,341	930,779
Demand/Commodity Rate	$ 0.9162	$ 0.9162	$ 0.9178	$ 0.9178	$ 0.9178	$ 0.9146	$ 0.9146	$ 0.9146	$ 0.9146	
Prior Period Reconciliation	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	
Working Capital Allowance	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	
Bad Debt Allowance	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	
Total Billed Sales Rate	$ 0.8809	$ 0.8809	$ 0.8825	$ 0.8825	$ 0.8825	$ 0.8793	$ 0.8793	$ 0.8793	$ 0.8793	
Demand/Commodity Collections	$ 147,760	$ 6,719	$ 48,334	$ 95,499	$ 24,484	$ 40,697	$ 121,392	$ 221,528	$ 145,733	$ 852,147
Prior Period Reconciliation	$ (6,790)	$ (309)	$ (2,217)	$ (4,381)	$ (1,123)	$ (1,873)	$ (5,588)	$ (10,197)	$ (6,708)	$ (39,186)
Working Capital Allowance	$ 339	$ 15	$ 111	$ 219	$ 56	$ 93	$ 279	$ 509	$ 335	$ 1,955
Bad Debt Allowance	$ 758	$ 34	$ 248	$ 489	$ 125	$ 209	$ 624	$ 1,138	$ 749	$ 4,375
Total Summer COG Revenues	$ 142,067	$ 6,461	$ 46,475	$ 91,826	$ 23,542	$ 39,126	$ 116,706	$ 212,978	$ 140,109	$ 819,291
Check	142,067	6,461	46,475	91,826	23,542	39,126	116,706	212,978	140,109	819,291

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2006 SUMMER PERIOD RECONCILIATION
SCHEDULE 3: REVENUE BACKUP TO REPORTED COLLECTIONS
May 2006 - October 2006

GAS COST RECOVERY FOR THE MONTH OF : **Jul-06**

		Res. Heat		Res. NH (0)		G-40		G-41		G-42		G-50		G-51		G-52		FOSS		Total
Sales (therms)		369,461		21,335		103,523		107,982		277,680		143,613		251,485		71,938		(159,341)		1,187,676
Demand/Commodity Rate	$	0.9162	$	0.9162	$	0.9178	$	0.9178	$	0.9178	$	0.9146	$	0.9146	$	0.9146	$	0.9146		
Prior Period Reconciliation	$	(0.0421)	$	(0.0421)	$	(0.0421)	$	(0.0421)	$	(0.0421)	$	(0.0421)	$	(0.0421)	$	(0.0421)	$	(0.0421)		
Working Capital Allowance	$	0.0021	$	0.0021	$	0.0021	$	0.0021	$	0.0021	$	0.0021	$	0.0021	$	0.0021	$	0.0021		
Bad Debt Allowance	$	0.0047	$	0.0047	$	0.0047	$	0.0047	$	0.0047	$	0.0047	$	0.0047	$	0.0047	$	0.0047		
Total Billed Sales Rate	$	0.8809	$	0.8809	$	0.8825	$	0.8825	$	0.8825	$	0.8793	$	0.8793	$	0.8793	$	0.8793		
Demand/Commodity Collections	$	338,500	$	19,547	$	95,013	$	99,106	$	254,855	$	131,348	$	230,008	$	65,794	$	(145,733)	$	1,088,439
Prior Period Reconciliation	$	(15,554)	$	(898)	$	(4,358)	$	(4,546)	$	(11,690)	$	(6,046)	$	(10,588)	$	(3,029)	$	6,708	$	(50,001)
Working Capital Allowance	$	776	$	45	$	217	$	227	$	583	$	302	$	528	$	151	$	(335)	$	2,494
Bad Debt Allowance	$	1,736	$	100	$	487	$	508	$	1,305	$	675	$	1,182	$	338	$	(749)	$	5,582
Total Summer COG Revenues	$	325,458	$	18,794	$	91,359	$	95,294	$	245,053	$	126,279	$	221,131	$	63,255	$	(140,109)	$	1,046,514
Check		325,458		18,794		91,359		95,294		245,053		126,279		221,131		63,255		(140,109)		1,046,514

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2006 SUMMER PERIOD RECONCILIATION
SCHEDULE 3: REVENUE BACKUP TO REPORTED COLLECTIONS
May 2006 - October 2006

GAS COST RECOVERY FOR THE MONTH OF : **Aug-06**

	Res. Heat	Res. NH	G-40	G-41	G-42	G-50	G-51	G-52	FOSS	Total
Sales (therms)-old rate	306,507	16,440	84,251	135,277	75,781	136,604	230,832	87,155	0	1,072,847
Demand/Commodity Rate	$ 0.9162	$ 0.9162	$ 0.9178	$ 0.9178	$ 0.9178	$ 0.9146	$ 0.9146	$ 0.9146	$ 0.9146	
Prior Period Reconciliation	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	
Working Capital Allowance	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	
Bad Debt Allowance	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	
Total Billed Sales Rate	$ 0.8809	$ 0.8809	$ 0.8825	$ 0.8825	$ 0.8825	$ 0.8793	$ 0.8793	$ 0.8793	$ 0.8793	
Demand/Commodity Collections	$ 280,822	$ 15,062	$ 77,326	$ 124,157	$ 69,552	$ 124,938	$ 211,119	$ 79,712	$ -	$ 982,688
Prior Period Reconciliation	$ (12,904)	$ (692)	$ (3,547)	$ (5,695)	$ (3,190)	$ (5,751)	$ (9,718)	$ (3,669)	$ -	$ (45,167)
Working Capital Allowance	$ 644	$ 35	$ 177	$ 284	$ 159	$ 287	$ 485	$ 183	$ -	$ 2,253
Bad Debt Allowance	$ 1,441	$ 77	$ 396	$ 636	$ 356	$ 642	$ 1,085	$ 410	$ -	$ 5,042
Total Summer COG Revenues	$ 270,002	$ 14,482	$ 74,352	$ 119,382	$ 66,877	$ 120,116	$ 202,971	$ 76,635	$ -	$ 944,816
Check	270,002	14,482	74,352	119,382	66,877	120,116	202,971	76,635	-	944,816

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2006 SUMMER PERIOD RECONCILIATION
SCHEDULE 3: REVENUE BACKUP TO REPORTED COLLECTIONS
May 2006 - October 2006

GAS COST RECOVERY FOR THE MONTH OF : **9/1/2006 (old)**

	Res. Heat	Res. NH	G-40	G-41	G-42	G-50	G-51	G-52	FOSS	Total
Sales (therms)-old rate	239,886	14,520	61,974	57,379	9,979	107,126	130,996	15,169	0	637,028
Demand/Commodity Rate	$ 0.9162	$ 0.9162	$ 0.9178	$ 0.9178	$ 0.9178	$ 0.9146	$ 0.9146	$ 0.9146	$ 0.9146	
Prior Period Reconciliation	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	
Working Capital Allowance	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	
Bad Debt Allowance	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	
Total Billed Sales Rate	$ 0.8809	$ 0.8809	$ 0.8825	$ 0.8825	$ 0.8825	$ 0.8793	$ 0.8793	$ 0.8793	$ 0.8793	
Demand/Commodity Collections	$ 219,784	$ 13,303	$ 56,879	$ 52,662	$ 9,159	$ 97,977	$ 119,809	$ 13,873	$ -	$ 583,446
Prior Period Reconciliation	$ (10,099)	$ (611)	$ (2,609)	$ (2,416)	$ (420)	$ (4,510)	$ (5,515)	$ (639)	$ -	$ (26,819)
Working Capital Allowance	$ 504	$ 30	$ 130	$ 120	$ 21	$ 225	$ 275	$ 32	$ -	$ 1,338
Bad Debt Allowance	$ 1,127	$ 68	$ 291	$ 270	$ 47	$ 503	$ 616	$ 71	$ -	$ 2,994
Total Summer COG Revenues	$ 211,316	$ 12,790	$ 54,692	$ 50,637	$ 8,806	$ 94,196	$ 115,185	$ 13,338	$ -	$ 560,959
Check	211,316	12,790	54,692	50,637	8,806	94,196	115,185	13,338	-	560,959

GAS COST RECOVERY FOR THE MONTH OF : **9/1/2006 (new)**

	Res. Heat	Res. NH	G-40	G-41	G-42	G-50	G-51	G-52	FOSS	Total
Sales (therms)-new rate	119,790	6,517	47,968	79,757	45,252	49,473	144,662	73,306	0	566,726
Demand/Commodity Rate	$ 0.9891	$ 0.9891	$ 0.9907	$ 0.9907	$ 0.9907	$ 0.9875	$ 0.9875	$ 0.9875	$ 0.9875	
Prior Period Reconciliation	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	
Working Capital Allowance	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	
Bad Debt Allowance	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	
Total Billed Sales Rate	$ 0.9538	$ 0.9538	$ 0.9554	$ 0.9554	$ 0.9554	$ 0.9522	$ 0.9522	$ 0.9522	$ 0.9522	
Demand/Commodity Collections	$ 118,484	$ 6,446	$ 47,522	$ 79,015	$ 44,831	$ 48,855	$ 142,854	$ 72,390	$ -	$ 560,398
Prior Period Reconciliation	$ (5,043)	$ (274)	$ (2,019)	$ (3,358)	$ (1,905)	$ (2,083)	$ (6,090)	$ (3,086)	$ -	$ (23,859)
Working Capital Allowance	$ 252	$ 14	$ 101	$ 167	$ 95	$ 104	$ 304	$ 154	$ -	$ 1,190
Bad Debt Allowance	$ 563	$ 31	$ 225	$ 375	$ 213	$ 233	$ 680	$ 345	$ -	$ 2,664
Total Summer COG Revenues	$ 114,256	$ 6,216	$ 45,829	$ 76,200	$ 43,234	$ 47,108	$ 137,747	$ 69,802	$ -	$ 540,392
Check	114,256	6,216	45,829	76,200	43,234	47,108	137,747	69,802	-	540,392
										1,101,352

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2006 SUMMER PERIOD RECONCILIATION
SCHEDULE 3: REVENUE BACKUP TO REPORTED COLLECTIONS
May 2006 - October 2006

GAS COST RECOVERY FOR THE MONTH OF : **Oct-06**

	Res. Heat	Res. NH	G-40	G-41	G-42	G-50	G-51	G-52	FOSS	Total
Sales (therms)-new rate	474,891	19,147	163,832	272,565	64,001	126,591	235,378	82,317	0	1,438,722
Demand/Commodity Rate	$ 0.9891	$ 0.9891	$ 0.9907	$ 0.9907	$ 0.9907	$ 0.9875	$ 0.9875	$ 0.9875	$ 0.9875	
Prior Period Reconciliation	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	
Working Capital Allowance	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	
Bad Debt Allowance	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	
Total Billed Sales Rate	$ 0.9538	$ 0.9538	$ 0.9554	$ 0.9554	$ 0.9554	$ 0.9522	$ 0.9522	$ 0.9522	$ 0.9522	
Demand/Commodity Collections	$ 469,715	$ 18,938	$ 162,308	$ 270,030	$ 63,406	$ 125,009	$ 232,436	$ 81,288	$ -	$ 1,423,130
Prior Period Reconciliation	$ (19,993)	$ (806)	$ (6,897)	$ (11,475)	$ (2,694)	$ (5,329)	$ (9,909)	$ (3,466)	$ -	$ (60,570)
Working Capital Allowance	$ 997	$ 40	$ 344	$ 572	$ 134	$ 266	$ 494	$ 173	$ -	$ 3,021
Bad Debt Allowance	$ 2,232	$ 90	$ 770	$ 1,281	$ 301	$ 595	$ 1,106	$ 387	$ -	$ 6,762
Total Summer COG Revenues	$ 452,951	$ 18,262	$ 156,525	$ 260,409	$ 61,147	$ 120,540	$ 224,127	$ 78,382	$ -	$ 1,372,343
Check	452,951	18,262	156,525	260,409	61,147	120,540	224,127	78,382	-	1,372,343

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2006 SUMMER PERIOD RECONCILIATION
SCHEDULE 3: REVENUE BACKUP TO REPORTED COLLECTIONS
May 2006 - October 2006

GAS COST RECOVERY FOR THE MONTH OF : **Nov-06** **Prorated**

	Res. Heat	Res. NH	G-40	G-41	G-42	G-50	G-51	G-52	FOSS	Total
Sales (therms)	709,855	17,090	278,099	217,221	22,700	97,815	150,790	17,977	0	1,511,548
										1,511,548
Demand/Commodity Rate	$ 0.9891	$ 0.9891	$ 0.9907	$ 0.9907	$ 0.9907	$ 0.9875	$ 0.9875	$ 0.9875	$ 0.9875	
Prior Period Reconciliation	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	$ (0.0421)	
Working Capital Allowance	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	$ 0.0021	
Bad Debt Allowance	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	$ 0.0047	
Total Billed Sales Rate	$ 0.9538	$ 0.9538	$ 0.9554	$ 0.9554	$ 0.9554	$ 0.9522	$ 0.9522	$ 0.9522	$ 0.9522	
Demand/Commodity Collections	$ 702,118	$ 16,903	$ 275,513	$ 215,201	$ 22,488	$ 96,593	$ 148,905	$ 17,752	$ -	$ 1,495,474
Prior Period Reconciliation	$ (29,885)	$ (719)	$ (11,708)	$ (9,145)	$ (956)	$ (4,118)	$ (6,348)	$ (757)	$ -	$ (63,636)
Working Capital Allowance	$ 1,491	$ 36	$ 584	$ 456	$ 48	$ 205	$ 317	$ 38	$ -	$ 3,174
Bad Debt Allowance	$ 3,336	$ 80	$ 1,307	$ 1,021	$ 107	$ 460	$ 709	$ 84	$ -	$ 7,104
Total Summer COG Revenues	$ 677,060	$ 16,300	$ 265,696	$ 207,533	$ 21,687	$ 93,140	$ 143,582	$ 17,118	$ -	$ 1,442,116
Check	677,060	16,300	265,696	207,533	21,687	93,140	143,582	17,118	-	1,442,116

NORTHERN UTILITIES, INC.
NEW HAMPSHIRE DIVISION
COST OF GAS ADJUSTMENT RESULTS
May 2006 - October 2006

FORM III
Schedule 4

Commodity Costs:	May (Actual)	June (Actual)	July (Actual)	August (Actual)	September (Actual)	October (Actual)	End of Period Adjustments	Total Summer
DEM	$126,482	$129,982	$141,256	$146,057	$135,632	$107,128		$786,536
Emera	$119,517	$91,371	$58,647	$0	$49,640	$498,666		$817,841
Withdrawal Charges	$10	$10	$1,198	$1,082	$148	$910		$3,358
Peoples Energy Wholesale	$0	$0	$0	$90,340	$0	$0		$90,340
NJR Gas Marketing	$1,902,106	$1,583,764	$1,595,463	$1,750,921	$1,712,981	$1,073,409		$9,618,644
Colonial Energy	$0	$79,761	$0	$0	$0	$0		$79,761
Sempra	$120,056	$98,434	$104,109	$111,935	$108,828	$71,762		$615,124
Cargill, Incorporated	$205,839	$153,115	$138,111	$0	$60,376	$201,032		$758,473
Net Inventory Injections	-$2,040,527	-$1,677,798	-$1,730,715	-$1,853,300	-$1,843,743	-$1,087,337		-$10,233,421
Interruptible Costs	-$937	-$23,351	-$16,356	-$25,395	-$27,983	-$27,251		-$121,273
Net OBA Adj.	-$99,693	$115,534	-$41,666	$189,237	$4,863	$186,787		$355,061
Transportation Commodity	$3,418	$3,175	$3,496	$3,140	$3,175	$3,596		$20,000
Coral Energy Resources	$133,631	$0	$119,686	$0	$123,965	$0		$377,282
Northeast Gas Marketing	$289,542	$235,547	$248,520	$269,430	$261,759	$168,320		$1,473,118
Distrigas	$720,214	$224,396	$243,467	$378,776	$295,489	$163,416		$2,025,758
Company Managed	-$10,245	-$18,043	$18,415	-$10,090	-$8,987	-$78,179		-$107,129
LNG	$1,399	$5,651	$9,510	$7,587	$7,558	$5,773		$37,478
Prior Period Adjustments	$0	-$38,603	-$20,045	-$2,155	-$1,436	-$34,382	$4,517	-$92,104
Company Use	-$1,138	-$753	-$802	-$1,347	-$1,221	-$880		-$6,141
Transportation Charges	$85,946	-$17,998	$14,134	$20,452	$18,065	-$21,927		$98,672
Hedging Costs	$152,416	$2,710	$4,238	$5,480	$6,001	$561,063		$731,909
Propane	-$35,794	$393	$117	-$917	$235	$567		-$35,398
Total Commodity Costs	$1,672,239	$947,295	$890,784	$1,081,233	$905,346	$1,792,474	$4,517	$7,293,889

Demand Costs:	May (Actual)	June (Actual)	July (Actual)	August (Actual)	September (Actual)	October (Actual)	End of Period Adjustments	Total Summer
Pipeline Reservation								
Tennessee	$134,377	$133,240	$133,044	$132,047	$132,047	$132,387	$0	$797,143
Algonquin	$15,579	$15,494	$15,463	$15,436	$15,451	$15,457	$0	$92,880
Iroquois	$20,779	$20,617	$20,588	$20,542	$20,542	$20,581	$0	$123,650
Texas Eastern	$3,204	$3,204	$3,182	$3,182	$3,168	$3,167	$0	$19,107
PNGTS	$13,272	$13,272	$13,272	$13,272	$13,272	$13,272		$79,629
Transco	$405	$405	$405	$405	$392	$392	$0	$2,403
Granite	$35,496	$35,662	$35,494	$35,477	$35,716	$35,187	$0	$213,031
Company Managed	-$1,726	-$1,526	-$2,056	-$2,170	-$3,027	-$3,027		-$13,533
Prior Period Adjustments		$36,276	-$541	-$783	$65	$712	$821	$36,550
Vector	$24,652	$24,652	$24,652	$24,652	$24,652	$24,652		$147,910
Product Demand								
DEM	$480	$480	$480	$480	$480	$480	$0	$2,881
Demand Revenues	-$14	-$7	$0	-$13	-$7	-$7	$0	-$48
LNG, LPG, Other A & G	$5,890	$3,575	$3,570	$3,082	$4,220	$8,091		$28,428
Capacity Exchange	$1,262	$732	$1,074	$609	$781	$1,488	$0	$5,946
Total Fixed Demand	$253,656	$286,075	$248,627	$246,217	$247,751	$252,832	$821	$1,535,978
				$7,468	$7,468			
Total Gas Costs	$1,925,895	$1,233,370	$1,139,410	$1,327,451	$1,153,098	$2,045,305	$5,338	$8,829,867

Schedule 5

(Volumes in Dth)

November, 2005 to October, 2006

Northern Utilities - New Hampshire

Purchased/Made

Supplier

	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
A	0	0	0	0	0	32,035	25,787	19,301	16,939		8,681	33,280	136,023
B						1,832		10,422					12,254
C		25,559	10,123			1,374							37,056
D							14,535		15,003		14,742		44,280
E	16,877	17,970	17,792	16,217	17,725	15,579	16,482	16,415	17,014	17,102	16,722	16,713	202,608
F	62,010	66,452	55,674	45,967	51,429	41,213	85,801	28,951	29,039	45,731	47,912	21,394	581,573
G	0	0	0	0	0								0
H	2,480					114,481	15,472	12,063	7,260		9,828	85,577	247,161
I	13,394	14,262	14,121	12,871	14,067								68,715
J						208,355	213,330	219,543	220,212	221,355	223,591	216,319	1,522,705
K	32,742	34,862	34,518	31,462	34,387	30,223	31,976	31,846	33,008	33,179	32,433	32,424	393,060
L										10,703			10,703
M		31,690	31,380	28,602			12,718	12,666	13,128	13,196	12,899	12,896	169,175
N	59,530	199,322	197,306	180,164	62,522								698,844
O												1,426	1,426
Total Supplier	*187,033*	*390,117*	*360,914*	*315,283*	*180,130*	*445,092*	*416,101*	*351,207*	*351,603*	*341,266*	*366,808*	*420,029*	*4,125,583*

Fuel

ALGONQUIN GAS			-16										-16
GRANITE STATE GAS	-1,928	-3,338	-3,317	-3,406	-2,824	-1,164	-926	-591	-567	-530	-621	-1,003	-20,215
PORTLAND NATURAL GAS	-611	-1,391	-2,186	-2,563	-2,739	-110	-116	-116	-105	-106	-78	-88	-10,209
TENNESSEE GAS PIPELINE	-907	-1,143	-892	-1,001	-973	-634	-814	-750	-840	-779	-826	-699	-10,258

Schedule 5

(Volumes in Dth)

November, 2005 to October, 2006

Northern Utilities - New Hampshire

	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
TEXAS EASTERN			-63										-63
Total Fuel	*-3,446*	*-5,872*	*-6,474*	*-6,970*	*-6,536*	*-1,908*	*-1,856*	*-1,457*	*-1,512*	*-1,415*	*-1,525*	*-1,790*	*-40,761*
OBA													
ALGONQUIN GAS			-1,255										-1,255
PORTLAND NATURAL GAS	148,122	421,019	258,689	275,100	209,428	69,060	81,529	68,973	75,749	70,626	77,131	108,724	1,864,150
TENNESSEE GAS PIPELINE	-151,265	-425,687	-261,214	-276,357	-207,209	-58,430	-80,316	-62,072	-88,306	-64,030	-73,111	-92,435	-1,840,432
Total OBA	*-3,143*	*-4,668*	*-3,780*	*-1,257*	*2,219*	*10,630*	*1,213*	*6,901*	*-12,557*	*6,596*	*4,020*	*16,289*	*22,463*
EUT													
Confirmed Nominations	242,903	323,703	240,817	228,126	250,440	244,751	215,489	211,239	209,059	224,535	225,233	263,895	2,880,190
Storage													
Injection						-211,560	-227,864	-229,966	-235,216	-232,058	-238,334	-216,319	-1,591,317
Withdrawal	199,078	278,172	305,805	367,842	387,435	1,167							1,539,499
Total Storage	*199,078*	*278,172*	*305,805*	*367,842*	*387,435*	*-210,393*	*-227,864*	*-229,966*	*-235,216*	*-232,058*	*-238,334*	*-216,319*	*-51,818*
Off System													
Delivery	-714	-1,272	-753	-686	-750	-398	-392	-521	-570	-799	-2,091	-752	-9,698
Receipt		511									1,310		1,821
Total Off System	*-714*	*-761*	*-753*	*-686*	*-750*	*-398*	*-392*	*-521*	*-570*	*-799*	*-781*	*-752*	*-7,877*
LNG													
Lewiston Boil-Off	491	617	532	655	754	540	492	738	805	781	705	511	7,621
Lewiston Vapor		16			1,407								1,423
Total LNG	*491*	*633*	*532*	*655*	*2,161*	*540*	*492*	*738*	*805*	*781*	*705*	*511*	*9,044*

Schedule 5

(Volumes in Dth)

November, 2005 to October, 2006

Northern Utilities - New Hampshire

	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
Total Purchased/Made	622,202	981,324	897,061	902,993	815,099	488,314	403,183	338,141	311,612	338,906	356,126	481,863	6,936,824
Throughput													
New Hampshire													
Flow	124,845	92,107	117,062	148,401	158,194	37,600	9,199	71,228	-43,533	-38,745	-161,605	-98,050	416,703
Fuel at Newington (1.00%)	-1,721	-5,595	-3,487	-4,250	-4,236	-2,117	-296	-502	-1,824	-1,399	-2,393	-2,964	-30,784
Fuel at Pleasant St (1.00%)	-2,905	-2,705	-3,762	-2,749	-1,874	-2,158	-3,479	-2,070	-1,660	-2,302	-2,699	-2,666	-31,029
Gate	497,874	892,088	782,182	756,689	657,988	451,767	395,220	267,159	356,533	379,206	519,307	581,813	6,537,826
Linepack	267	-359	97	-65	-174	375	137	-226	274	-885	-95	649	-5
Total New Hampshire	618,360	975,536	892,092	898,026	809,898	485,467	400,781	335,589	309,790	335,875	352,515	478,782	6,892,711
Total Throughput	618,360	975,536	892,092	898,026	809,898	485,467	400,781	335,589	309,790	335,875	352,515	478,782	6,892,711
Diff Throughput v Purchased/Made	-3,844	-5,787	-4,971	-4,967	-5,201	-2,843	-2,401	-2,552	-1,823	-3,031	-3,614	-3,082	-44,116
% Diff Throughput v	-0.62%	-0.59%	-0.56%	-0.55%	-0.64%	-0.59%	-0.60%	-0.76%	-0.59%	-0.90%	-1.03%	-0.64%	-0.64%
Sales													
C&I Gas													
NH Charged	194,672	303,692	394,162	423,845	416,620	252,908	180,312	130,645	79,894	75,215	82,611	94,684	2,629,260
NH Uncharged - Current	136,192	208,724	459,693	194,581	177,586	119,869	85,355	51,259	41,338	47,407	46,915	82,984	1,651,903

Schedule 5

(Volumes in Dth)

November, 2005 to October, 2006

Northern Utilities - New Hampshire

	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
NH Uncharged - Prior	-93,301	-136,192	-208,724	-459,693	-194,581	-177,586	-119,869	-85,355	-51,259	-41,338	-47,407	-46,915	-1,662,220
Total C&I Gas	*237,563*	*376,224*	*645,131*	*158,733*	*399,625*	*195,191*	*145,798*	*96,549*	*69,973*	*81,284*	*82,119*	*130,753*	*2,618,943*
Interruptible Gas													
NH Charged	3,420	9,390	-8,449			740	490	169	20	1	1	440	6,222
Residential Gas													
NH Charged	107,473	194,622	275,698	231,635	260,752	176,939	93,486	69,224	39,080	32,295	38,071	49,404	1,568,679
NH Uncharged - Current	120,619	194,141	159,743	183,016	142,318	87,857	54,895	29,550	27,764	34,179	39,088	75,408	1,148,578
NH Uncharged - Prior	-79,653	-120,619	-194,141	-159,743	-183,016	-142,318	-87,857	-54,895	-29,550	-27,764	-34,179	-39,088	-1,152,823
Total Residential Gas	*148,439*	*268,144*	*241,300*	*254,908*	*220,054*	*122,478*	*60,524*	*43,879*	*37,294*	*38,710*	*42,980*	*85,724*	*1,564,434*
Transportation													
NH Charged	199,602	217,044	242,574	188,575	197,045	200,939	154,518	113,435	217,477	167,122	213,724	206,320	2,318,375
NH Uncharged - Current	192,991	216,603	164,556	171,418	91,576	145,008	143,081	171,869	162,090	200,162	196,811	190,202	2,046,367
NH Uncharged - Prior	-185,497	-192,991	-216,603	-164,556	-171,418	-91,576	-145,008	-143,081	-171,869	-162,090	-200,162	-196,811	-2,041,662
Total Transportation	*207,096*	*240,656*	*190,527*	*195,437*	*117,203*	*254,371*	*152,591*	*142,223*	*207,698*	*205,194*	*210,373*	*199,711*	*2,323,080*
Company Use													
NH	1,134	2,350	3,725	3,131	3,264	2,256	1,022	655	833	1,358	175	923	20,826
Unaccounted For Gas													
Total Sales	*597,652*	*896,764*	*1,072,234*	*612,209*	*740,146*	*575,036*	*360,425*	*283,475*	*315,818*	*326,547*	*335,648*	*417,551*	*6,533,505*
Diff Throughput v Sales	*20,708*	*78,772*	*-180,142*	*285,817*	*69,752*	*-89,569*	*40,356*	*52,114*	*-6,028*	*9,328*	*16,867*	*61,231*	*359,206*
% Diff Throughput v Sales													*5.21%*

Attachment A

NORTHERN UTILITIES
NEW HAMPSHIRE DIVISION
DEFERRED OFF-PEAK WORKING CAPITAL
ALLOWANCE ON PURCHASED GAS COSTS
October 31, 2006

OFF-PEAK PERIOD

	BEGINNING BALANCE	WKG CAP ALLOWANCE	FIRM SALES	ALLOWED WORKING CAP COLLECTION RATE	CURRENT WORKING CAP COLLECTIONS	WORKING CAP DEFERRED	ENDING BALANCE	AVE MONTHLY BALANCE	INTEREST RATE	INTEREST	ENDING BAL W/ INTEREST
MAY	$ 1,070	3,661	1,272,403	0.0021	2,672	989	2,059	1,564	7.93%	10	2,069
JUNE	$ 2,069	2,388	1,996,318	0.0021	4,192	(1,804)	264	1,167	8.02%	8	272
JULY	$ 272	2,196	1,187,676	0.0021	2,494	(298)	(26)	123	8.25%	1	(25)
AUGUST	$ (25)	2,570	1,072,847	0.0021	2,253	317	292	134	8.25%	1	293
SEPTEMBER	$ 293	2,244	1,203,754	0.0021	2,528	(284)	9	151	8.25%	1	10
OCTOBER	$ 10	3,938	1,438,722	0.0021	3,021	917	927	469	8.25%	3	930
NOVEMBER	$ 930	10	1,511,548	0.0021	3,174	(3,164)	(2,234)	(652)	8.25%	(4)	(2,238)
	$ 1,070	17,007	9,683,267		20,335	(3,328)				20	(2,238)

NORTHERN UTILITIES, INC
NEW HAMPSHIRE DIVISION
BAD DEBT EXPENSE
CALCULATION OF COLLECTION ALLOWANCE
October 31, 2006

Attachment B

OFF-PEAK PERIOD

All classes

	BEG. BAL	NEW HAMPSHIRE FIRM GAS COSTS	% ALLOWED BAD DEBT	BAD DEBT ALLOWANCE	BAD DEBT COLLECTIONS Schedule 3	BAD DEBT DEFERRED BALANCE	ENDING BALANCE	AVE MO BALANCE	INTEREST RATE	INTEREST	END BAL W/ INTEREST
MAY	(63)	1,930,493	0.45%	8,687	5,980	2,707	2,644	1,290	7.93%	9	2,652
JUNE	2,652	1,259,109	0.45%	5,666	9,383	(3,717)	(1,064)	794	8.02%	5	(1,059)
JULY	(1,059)	1,157,962	0.45%	5,211	5,582	(371)	(1,430)	(1,245)	8.25%	(9)	(1,439)
AUGUST	(1,439)	1,355,416	0.45%	6,099	5,042	1,057	(382)	(910)	8.25%	(6)	(388)
SEPTEMBER	(388)	1,183,324	0.45%	5,325	5,658	(333)	(721)	(555)	8.25%	(4)	(725)
OCTOBER	(725)	2,076,494	0.45%	9,344	6,762	2,582	1,858	566	8.25%	4	1,861
NOVEMBER	1,861	5,348	0.45%	24	7,104	(7,080)	(5,219)	(1,679)	8.25%	(12)	(5,230)
	(63)	8,968,147	0.45%	40,357	45,511					(12)	(5,230)

les Variance Analysis

NORTHERN UTILITIES, NEW HAMPSHIRE DIVISION
Summer 2006 Period

Attachment C

	May	June	July	August	September	October	TOTAL	
recast Calendar Month Sales	206,053	125,051	124,887	107,821	147,626	283,042	994,480	
tual Sales	233,794	152,462	166,669	63,703	200,545	151,155	968,327	
ference	27,741	27,411	41,782	(44,118)	52,919	(131,887)	(26,153)	
d:								
lume Variance due to Weather								
rmal Cal. Month Actual Sales	199,687	117,316	134,909	107,510	141,902	275,652	976,976	
tual Sales	233,794	152,462	166,669	63,703	200,545	151,155	968,327	
eather Variance	(34,107)	(35,146)	(31,760)	43,807	(58,643)	124,497	8,649	
tal Variance Excluding Weather	(6,366)	(7,735)	10,022	(311)	(5,724)	(7,390)	(17,504)	-1.76%
cl weather effect)								
riance-difference due to meter count							(58,322)	
-difference in load pattern							40,818	
							(17,504)	

LES

NORTHERN UTILITIES, NEW HAMPSHIRE DIVISION
Summer 2006 Period

	NORMAL MMBtu				METERS				NORMAL AVERAGE USE			Change In Sales Due to Change In:		Total Chg	
	2006 Forecast	2006 Actual	Difference		2006 Forecast	2006 Actual	Difference		2006 Forecast	2006 Actual	Difference	Meter Count	Load Pattern	MMBtu	% difference
es Heat	347,471	321,156	(26,315)	-7.6%	114,359	114,229	(130)	-0.1%	3.04	2.81	(0.23)	(395)	(25,920)	(26,315)	-7.57%
es General	13,112	12,107	(1,005)	-7.7%	11,591	10,899	(692)	-6.0%	1.13	1.11	(0.02)	(783)	(222)	(1,005)	-7.66%
otal Res	360,583	333,263	(27,320)	-7.6%	125,950	125,128	(822)	-0.7%	4.17	3.92	(0.25)	(1,178)	(26,142)	(27,320)	-7.58%
-40	127,573	122,973	(4,600)	-3.6%	25,580	24,274	(1,306)	-5.1%	4.99	5.07	0.08	(6,513)	1,913	(4,600)	-3.61%
-50	94,635	84,919	(9,716)	-10.3%	6,708	6,159	(549)	-8.2%	14.11	13.79	(0.32)	(7,745)	(1,971)	(9,716)	-10.27%
-41	140,266	141,049	783	0.6%	2,845	2,423	(422)	-14.8%	49.30	58.21	8.91	(20,806)	21,589	783	0.56%
-51	176,310	153,568	(22,742)	-12.9%	1,327	1,168	(159)	-12.0%	132.86	131.48	(1.38)	(21,125)	(1,617)	(22,742)	-12.90%
-42	49,165	71,702	22,537	45.8%	117	89	(28)	-23.9%	420.21	805.64	385.43	(11,766)	34,303	22,537	45.84%
-52	45,948	69,502	23,554	51.3%	51	63	12	23.5%	900.94	1,103.21	202.27	10,811	12,743	23,554	51.26%
otal C & I	633,897	643,713	9,816	1.5%	36,628	34,176	(2,452)	-6.7%	1,522.42	2,117.39	594.98	(57,144)	66,960	9,816	1.55%
otal Company	994,480	976,976	(17,504)	-1.8%	162,578	159,304	(3,274)	-2.0%	1,526.59	2,121.31	594.73	(58,322)	40,818	(17,504)	-1.76%